

# FILE NOTATIONS

Entered in MID File .....  
 Section Map Drawn .....  
 and Indexed .....  
 .....

Checked by Chief .....  
 Approval Letter .....  
 Disapproval Letter ....

*MB*  
 6-12-74

## COMPLETION DATA:

Date Well Completed **3-11-75**

Location Inspected .....

WV..... WW..... TA.....

Bond released

OW..... OS..... PA.....

State or Fee Land .....

## LOGS FILED

Driller's Log. ....

Electric Logs (No.) .....

..... I..... Dual I lat..... GR-N..... Micro.....

WG Sonic GR..... Lat..... IR-L..... Sonic.....

CBLog..... COLog..... Others.....

Re-entry 2-18-82

SUBMIT IN TRIPLICATE\*

(Other instructions on reverse side)

THE STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL & GAS CONSERVATION

5. LEASE DESIGNATION AND SERIAL NO.

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Wilkins

9. WELL NO.

1 - 24

10. FIELD AND POOL, OR WILDCAT

Altamont

11. SEC., T., R., M., OR BLK.

AND SURVEY OR AREA

Section 24,

T. 1 S., R. 5 W.,

12. COUNTY OR PARISH 13. STATE

Duchesne

Utah

## APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒DEEPEN ☐PLUG BACK ☐

b. TYPE OF WELL

OIL

WELL ☒

GAS

WELL ☐

OTHER

SINGLE

ZONE ☐

MULTIPLE

ZONE ☒

2. NAME OF OPERATOR

MAPCO Inc.

3. ADDRESS OF OPERATOR

Suite 320, Plaza West

1537 Avenue D, Billings, Montana 59102

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)\*

At surface

NW NE (927' FNL &amp; 1580' FEL) Section 24, T. 1 S.,

At proposed prod. zone R. 5 W., Duchesne County, Utah

Same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*

One mile south of Mountain Home, Utah

15. DISTANCE FROM PROPOSED\*

LOCATION TO NEAREST

PROPERTY OR LEASE LINE, FT.

(Also to nearest drlg. line, if any)

927'

16. NO. OF ACRES IN LEASE

310.13

17. NO. OF ACRES ASSIGNED

TO THIS WELL

640

18. DISTANCE FROM PROPOSED LOCATION\*

TO NEAREST WELL, DRILLING, COMPLETED,

OR APPLIED FOR, ON THIS LEASE, FT.

19. PROPOSED DEPTH

17,000'

20. ROTARY OR CABLE TOOLS

Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

6957' Ungraded Ground

22. APPROX. DATE WORK WILL START\*

June 17, 1974

## 23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4"	9-5/8"	36#	3500'	As required
8-3/4"	7-5/8"	Mixed	13800'	As required
6-1/2"	5-1/2" Liner	22.54#	17000'	None

This well will be drilled from surface to total depth with rotary drilling equipment, including BOP assemblies: Hydril 10" 1500 series, Cameron QRC 10" 1500 series, Cameron double gate SS 10" 1500 series, and additional as required to total depth. Other equipment will include (1) a recording pit level indicator with warning device, (2) mud volume measuring device, and (3) a mud return indicator.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. SIGNED E. J. Milt Manager of Operations

TITLE Northern District

DATE June 10, 1974

(This space for Federal or State office use)

PERMIT NO.

B-013-30320

APPROVAL DATE

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

\*See Instructions On Reverse Side

T1S, R5W, U.S.B. & M.

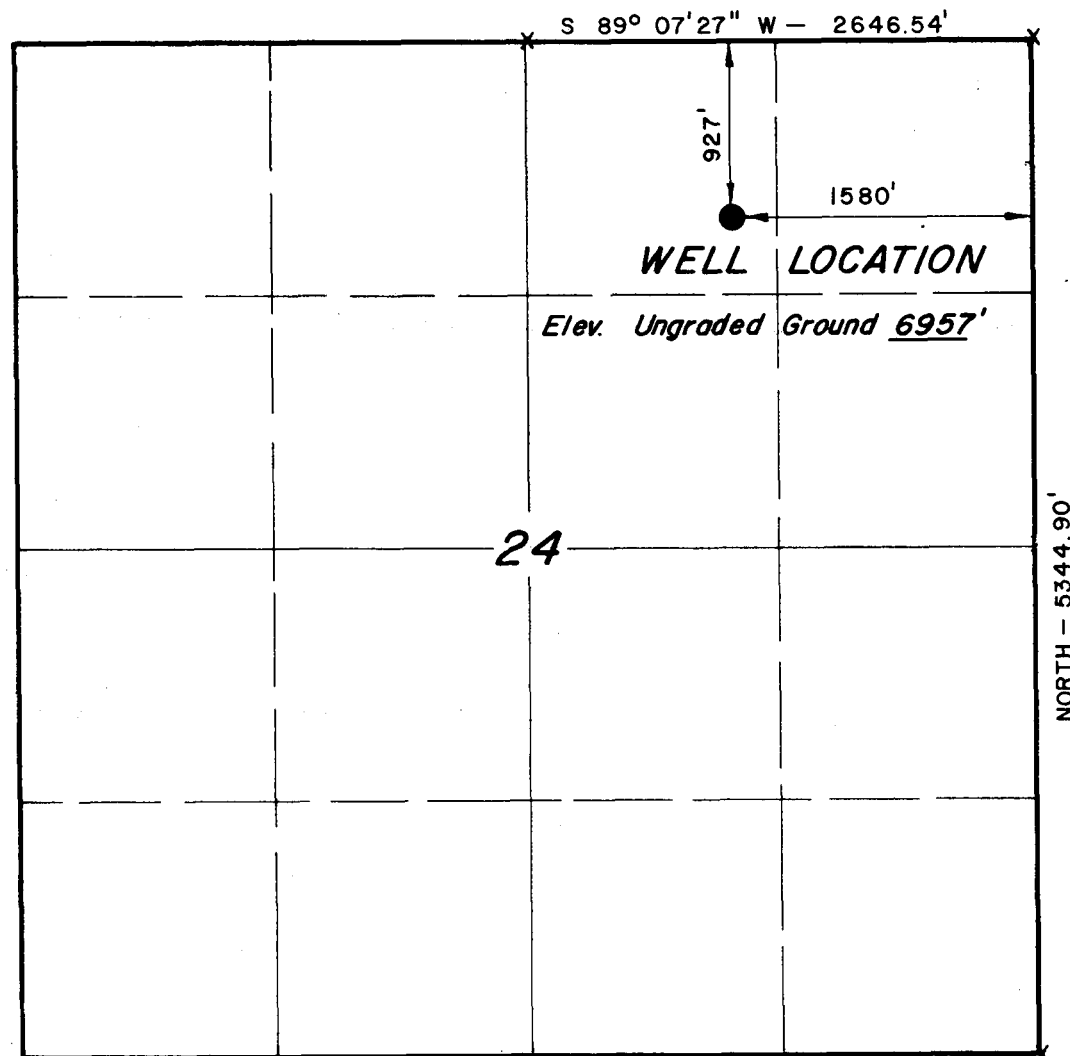
PROJECT  
MAPCO INC

MAY 14 1974

Well location, located as shown  
in the NW 1/4 NE 1/4 Section 24  
T1S, R5W, U.S.B. & M. Duchesne  
County, Utah.

NOTE:

BEARINGS ARE ASSUMED BUT RELATIVE.



X = Section corners located



CERTIFICATE

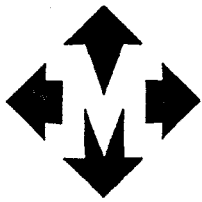
THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM  
FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY  
SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE  
BEST OF MY KNOWLEDGE AND BELIEF.

*Gene Stewart*

REGISTERED LAND SURVEYOR  
REGISTRATION NO 3154  
STATE OF UTAH

UINTAH ENGINEERING & LAND SURVEYING  
P.O. BOX Q ~ 110 EAST - FIRST SOUTH  
VERNAL, UTAH - 84078

SCALE 1" = 1000'	DATE 5 / 3 / 74
PARTY DH MS RR	REFERENCES
WEATHER FAIR	FILE MAPCO INC.



**mapco**  
INC.

PRODUCTION DIVISION

June 10, 1974

State of Utah  
Department of Natural Resources  
Division of Oil and Gas Commission  
1588 West North Temple  
Salt Lake City, Utah 84116

ATTENTION: Mr. Paul Burchell

Re: MAPCO, Wilkins No. 1-24  
NW NE Sec. 24, T. 1 S., R. 5 W.,  
Duchesne County, Utah

Gentlemen:

Enclosed are three (3) copies of each of our Application for Permit to Drill and Survey Plat for the above captioned well.

Our \$25,000 blanket bond No. 8055-97-09, dated October 11, 1972, with certified copy of Power of Attorney attached, is on file with your office. We trust that everything is in order, and if it is not, please let us know.

Very truly yours,

MAPCO INC.

*T. F. Barnes*

T. F. Barnes,  
Engineer

TFB:awm

Enclosures



June 12, 1974

Mapco Inc.  
1537 Avenue D  
Suite 320, Plaza West  
Billings, Montana 59102

Re: Well No. Wilkins #1-24  
Sec. 24, T. 1 S, R. 5 W, USM  
Duchesne County, Utah

Gentlemen:

Insofar as this office is concerned, approval to drill the above referred to well is hereby granted in accordance with the Order issued in Cause No. 139-3.

Should you determine that it will be necessary to plug and abandon this well, you are hereby requested to immediately notify the following:

PAUL W. BURCHELL - Chief Petroleum Engineer  
HOME: 277-2890  
OFFICE: 328-5771

Enclosed please find Form OGC-8-X, which is to be completed whether or not water sands (aquifers) are encountered during drilling. Your cooperation relative to the above will be greatly appreciated.

The API number assigned to this well is 43-013-30320.

Very truly yours,

DIVISION OF OIL & GAS CONSERVATION

CLEON B. FEIGHT  
DIRECTOR

CBF:sd

STATE OF UTAH  
OIL & GAS CONSERVATION COMMISSION

SUBMIT IN TRIPLICATE\*  
(Other instructions on reverse side)

# SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO.
2. NAME OF OPERATOR MAPCO Inc.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
3. ADDRESS OF OPERATOR Suite 320, Plaza West 1537 Avenue D, Billings, Montana 59102		7. UNIT AGREEMENT NAME
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface NW NE (927' FNL & 1580' FEL) Section 24, T. 1 S., R. 5 W., Duchesne County, Utah		8. FARM OR LEASE NAME Wilkins
14. PERMIT NO. 43-013-30320		9. WELL NO. 1 - 24
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 6957' Ungraded Ground		10. FIELD AND POOL, OR WILDCAT Altamont
		11. SEC., T., S., M., OR BLK. AND SURVEY OR AREA Section 24, T. 1 S., R. 5 W.,
		12. COUNTY OR PARISH Duchesne
		13. STATE Utah

## 16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

### NOTICE OF INTENTION TO:

### SUBSEQUENT REPORT OF:

TEST WATER SHUT-OFF

PULL OR ALTER CASING

WATER SHUT-OFF

REPAIRING WELL

FRACTURE TREAT

MULTIPLE COMPLETE

FRACTURE TREATMENT

ALTERING CASING

SHOOT OR ACIDIZE

ABANDON\*

SHOOTING OR ACIDIZING

ABANDONMENT\*

REPAIR WELL

CHANGE PLANS

(Other)

(Other)

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.) \*

### JUNE REPORT:

#### FIRST REPORT -

6-15-74: SPUDDED AT 10:00 AM - Drilled 12 $\frac{1}{4}$ " hole to 320'; reamed hole to 17 $\frac{1}{2}$ " to 200'. Ran 5 joints 13-3/8", 48#, 8 round, ST&C, K-55 casing with overall measurement of 177.65 set at 176' KB. Casing equipped with 1 Halco Guide Shoe and 1 fiber baffle plate on bottom joint, 2 5-3 centralizers at 161' and 105'. Halliburton cemented with 250 sacks type "G" cement containing 3% CaCl<sub>2</sub> and displaced with 225 barrels water. Bumped plug with 250# at 6:45 AM, 6-16-74. Drilled to 765'. Lost 3000 barrels mud.

6-16-74: Drilled to 1417'; build volume. Cemented with 200 sacks class "G" cement with 25% Cal Seal and 1/4# Flo Seal per sack from 1331 to 1287'. WOC.

6-17 & 18: Drilled to 1979'. Rigged up Halliburton and cemented with 300 sacks 25% Cal Seal and 75% Class "G" cement at 1880'. WOC. Drilled cement stringers starting at 1704'. Lost circulation when drilled out. Loss 200 bbls. fluid.

6-21 thru 26: T. D. 3601'; drilling Duchesne River Formation.

6-27 & 29: Drilled to 3675'; Ran 92 joints, 9-5/8", 36#, K-55 STC casing with Halliburton guide shoe and differential fill float collar on bottom joint. Landed at 3637'. Halliburton cemented with 400 sacks 65-35 Pozmix containing 10% salt, .5% CFR-2 and 1/4# Flocele per sack followed by 200 sacks class "G" containing 2% gel, 10% salt, .5% CFR-2 and 1/4# Flocele per sack and tailed in with 100 sacks class "G" containing 10% salt, 1/4# Flocele per sack.

CONTINUED ON P 2

18. I hereby certify that the foregoing is true and correct

Manager of Operations

SIGNED

TITLE

Northern District

DATE July 10, 1974

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

Form OGCC-1b

STATE OF UTAH  
OIL & GAS CONSERVATION COMMISSION

SUBMIT IN TRIPLICATE\*  
(Other instructions on reverse side)

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO.
2. NAME OF OPERATOR MAPCO Inc.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
3. ADDRESS OF OPERATOR Suite 320, Plaza West 1537 Avenue D, Billings, Montana 59102		7. UNIT AGREEMENT NAME
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface NW NE (927' FNL & 1580' FEL) Section 24, T. 1 S., R. 5 W., Duchesne County, Utah		8. FARM OR LEASE NAME Wilkins
14. PERMIT NO. 43-013-30320		9. WELL NO. 1 - 24
15. ELEVATIONS (Show whether OF, RT, OR, etc.) 6957' Ungraded Ground		10. FIELD AND POOL, OR WILDCAT Altamont
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Section 24, T. 1 S., R. 5 W.,
		12. COUNTY OR PARISH Duchesne
		13. STATE Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <input type="checkbox"/>	

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.) \*

JUNE REPORT: - Continued --

6-30-74: No returns throughout cement job. WOC. Pumped 150 sacks cement, 35 sacks Cal Seal down annulus with no returns. WOC. Pumped 200 sacks class "G" with 3% CaCl<sub>2</sub> down annulus. Had cement to surface. WOC and nipples up. Cut off 9-5/8" casing and weld on head. Yellow Jacket pressure tested BOP stack, manifold lines and choke to 3000 psi and Hydril to 2000 psi. T.D. 4162'; drilled cement collar, plug collar and shoe. Began drilling new formation.

18. I hereby certify that the foregoing is true and correct

SIGNED

E. J. Milt

TITLE

Manager of Operations  
Northern District

DATE

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

STATE OF UTAH  
OIL & GAS CONSERVATION COMMISSION

SUBMIT IN TRIPLICATE\*  
(Other instructions on re-  
verse side)

# SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO.
2. NAME OF OPERATOR MAPCO Inc.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
3. ADDRESS OF OPERATOR Suite 320, Plaza West 1537 Avenue D, Billings, Montana 59102		7. UNIT AGREEMENT NAME
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface NW NE (927' FNL & 1580' FEL) Section 24, T. 1 S., R. 5 W., Duchesne County, Utah		8. FARM OR LEASE NAME Wilkins
14. PERMIT NO. 43-013-30320		9. WELL NO. 1 - 24
15. ELEVATIONS (Show whether DF, RT, OR, etc.) 6957' Ungraded Ground		10. FIELD AND POOL, OR WILDCAT Altamont
		11. SEC., T., R., M., OR B.L.K. AND SURVEY OR AREA Section 24, T. 1 S., R. 5 W.,
		12. COUNTY OR PARISH Duchesne
		13. STATE Utah

## 16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

### NOTICE OF INTENTION TO:

### SUBSEQUENT REPORT OF:

TEST WATER SHUT-OFF

PULL OR ALTER CASING

WATER SHUT-OFF

REPAIRING WELL

FRACTURE TREAT

MULTIPLE COMPLETE

FRACTURE TREATMENT

ALTERING CASING

SHOOT OR ACIDIZE

ABANDON\*

SHOOTING OR ACIDIZING

ABANDONMENT\*

REPAIR WELL

CHANGE PLANS

(Other)

(Other)

(NOTE: Report results of multiple completion on Well  
Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

### JULY REPORT:

7-1 thru 31-74: T.D. 10,588'; drilled Uintah and Green River formations.

18. I hereby certify that the foregoing is true and correct

SIGNED

E. J. Milt

TITLE

Manager of Operations  
Northern District

DATE

August 15, 1974

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

95

STATE OF UTAH  
OIL & GAS CONSERVATION COMMISSION

SUBMIT IN TRIPLICATE\*  
(Other instructions on re-verse side)

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO.
2. NAME OF OPERATOR MAPCO Inc.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
3. ADDRESS OF OPERATOR Suite 320, Plaza West 1537 Avenue D, Billings, Montana 59102		7. UNIT AGREEMENT NAME
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface NW NE (927' FNL & 1580' FEL) Section 24, T. 1 S., R. 5 W., Duchesne County, Utah		8. FARM OR LEASE NAME Wilkins
14. PERMIT NO. 43-013-30320		9. WELL NO. 1 - 24
15. ELEVATIONS (Show whether DF, RT, GN, etc.) 6957' Ungraded Ground		10. FIELD AND POOL, OR WILDCAT Altamont
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Section 24, T. 1 S., R. 5 W.,
		12. COUNTY OR PARISH Duchesne
		13. STATE Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <input type="checkbox"/>	
(Other) <input type="checkbox"/>		(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)	

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

AUGUST REPORT:

8-1 thru 31-74: T.D. 13,083; drilling Green River formation.  
SAMPLE TOP LOWER GREEN RIVER MARKER 1 11,248 (-4270) feet.

18. I hereby certify that the foregoing is true and correct

SIGNED <u>E. J. Milt</u>	TITLE <u>Manager of Operations Northern District</u>	DATE <u>9-10-74</u>
(This space for Federal or State office use)		
APPROVED BY _____	TITLE _____	DATE _____
CONDITIONS OF APPROVAL, IF ANY:		

STATE OF UTAH  
OIL & GAS CONSERVATION COMMISSION

SUBMIT IN TRIPLICATE\*  
(Other instructions on reverse side)

# SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO.
2. NAME OF OPERATOR MAPCO Inc.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
3. ADDRESS OF OPERATOR Suite 320, Plaza West 1537 Avenue D, Billings, Montana 59102		7. UNIT AGREEMENT NAME
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface NW NE (927' FNL & 1580' FEL) Section 24, T. 1 S., R. 5 W., Duchesne County, Utah		8. FARM OR LEASE NAME Wilkins
14. PERMIT NO. 43-013-30320		9. WELL NO. 1 - 24
15. ELEVATIONS (Show whether DV, RT, CR, etc.) 6957' Ungraded Ground		10. FIELD AND POOL, OR WILDCAT Altamont
		11. SEC., T., R., M., OR BLM. AND SURVEY OR AREA Section 24, T. 1 S., R. 5 W.,
		12. COUNTY OR PARISH Duchesne
		13. STATE Utah

## 16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

### NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>
(Other) <input type="checkbox"/>	

### SUBSEQUENT REPORT OF:

WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
(Other) <input type="checkbox"/>	

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

## 17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

### SEPTEMBER REPORT:

9-1 thru 9-74: T.D. 13800'; drilling Wasatch Reds Beds.  
SAMPLE TOP WASATCH RED BEDS: 13086 (-6108) feet.

9-10 & 11: T.D. 13,810'; circulating and conditioning hole for logs. Tripping out for logs. SLM correction from 13800 to 13810'. Schlumberger ran DILL-8 from 13788' to 3634'; BHC Sonic-GR 13750 to 3634'; FDC from 13,793 to 7500'; CNL from 13776 to 7500'.

9-12 & 13: T.D. 13810'; laying down drill pipe. Ran 326 joints 7-5/8" casing, 26.40, 29.70, 33.70# Buttress and LTC, with Halliburton guide shoe and differential fillup collar on bottom joint. Set at 13,810'. Halco cemented with 450 sacks Halco light, 10% salt, 0.5% CFR-2, 0.2% HR-4, 1/4# Flocele/sack; 200 sacks 50-50 Pozmix, 2% gel, 10% salt, 0.5% CFE-2, 0.3% HR-4, 1/4# Flocele/sack; 100 sacks Class G, 10% salt, 0.5% CFR-2, 0.3% HR-4, 1/4# Flocele/sack. Bumped plug at 12:45 AM, 9-14-74. Displacement 631 barrels, 2000 psi, 25% returns.

9-14 thru 16: T.D. 13,810'; Set out 10" BOP and set in 6" BOP and nipped up. Picked up and ran 3-1/2" drill pipe. Tripped in.  
LOG TOP LOWER GREEN RIVER MARKER 1: 11,330 (-4352) feet.

9-17 thru 30: T. D. 15,118'; drilling Red Beds.

18. I hereby certify that the foregoing is true and correct

Manager of Operations

SIGNED E. J. Milt

TITLE Northern District

DATE October 10, 1974

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY:

TITLE \_\_\_\_\_

DATE \_\_\_\_\_

STATE OF UTAH  
OIL & GAS CONSERVATION COMMISSION

SUBMIT IN TRIPLICATE\*  
(Other instructions on re-  
verse side)

# SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. <input type="checkbox"/> OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER		5. LEASE DESIGNATION AND SERIAL NO.
2. NAME OF OPERATOR MAPCO Inc.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
3. ADDRESS OF OPERATOR Suite 320, Plaza West 1537 Avenue D, Billings, Montana 59102		7. UNIT AGREEMENT NAME
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface NW NE (927' FNL & 1580' FEL) Section 24, T. 1 S., R. 5 W., Duchesne County, Utah		8. FARM OR LEASE NAME Wilkins
14. PERMIT NO. 43-013-30320		9. WELL NO. 1 - 24
15. ELEVATIONS (Show whether DF, RT, OR, etc.) 6957' Ungraded Ground		10. FIELD AND POOL, OR WILDCAT Altamont
		11. SEC., T., R., M., OR BLE. AND SURVEY OR AREA Section 24, T. 1 S., R. 5 W.,
		12. COUNTY OR PARISH Duchesne
		13. STATE Utah

16.

## Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

## NOTICE OF INTENTION TO:

## SUBSEQUENT REPORT OF:

TEST WATER SHUT-OFF

PULL OR ALTER CASING

WATER SHUT-OFF

REPAIRING WELL

FRACTURE TREAT

MULTIPLE COMPLETE

FRACTURE TREATMENT

ALTERING CASING

SHOOT OR ACIDIZE

ABANDON\*

SHOOTING OR ACIDIZING

ABANDONMENT\*

REPAIR WELL

CHANGE PLANS

(Other)

(Other)

(NOTE: Report results of multiple completion on Well  
Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

### OCTOBER REPORT:

10-1 thru 10-31-74: T.D. 17,020'; drilled to total depth in Red Beds. Conditioned hole and tripped out to log.

18. I hereby certify that the foregoing is true and correct

SIGNED

TITLE

Manager of Operations  
Northern District

DATE

Nov. 15, 1974

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

STATE OF UTAH  
OIL & GAS CONSERVATION COMMISSION

SUBMIT IN TRIPLICATE\*  
(Other instructions on reverse side)

# SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO.
2. NAME OF OPERATOR MAPCO Inc.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
3. ADDRESS OF OPERATOR Suite 320, Plaza West 1537 Avenue D, Billings, Montana 59102		7. UNIT AGREEMENT NAME
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface NW NE (927' FNL & 1580' FEL) Section 24, T. 1 S., R. 5 W., Duchesne County, Utah		8. FARM OR LEASE NAME Wilkins
14. PERMIT NO. 43-013-30320		9. WELL NO. 1 - 24
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 6957' Ungraded Ground		10. FIELD AND POOL, OR WILDCAT Altamont
		11. SEC., T., R., M., OR BLE. AND SURVEY OR AREA Section 24, T. 1 S., R. 5 W.,
		12. COUNTY OR PARISH Duchesne
		13. STATE Utah

## 16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

### NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

☐

PULL OR ALTER CASING

☐

FRACTURE TREAT

☐

MULTIPLE COMPLETE

☐

SHOOT OR ACIDIZE

☐

ABANDON\*

☐

REPAIR WELL

☐

CHANGE PLANS

☐

(Other)

☐

### SUBSEQUENT REPORT OF:

WATER SHUT-OFF

☐

REPAIRING WELL

☐

FRACTURE TREATMENT

☐

ALTERING CASING

☐

SHOOTING OR ACIDIZING

☐

ABANDONMENT\*

☐

(Other)

☐

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

### November Report:

- 11-1 & 2-74: T.D. 17,020'; Schlumberger ran the following logs: BHC Sonic-GR 16,996-13,818'; DILL 17,031-13,818'. Tool stuck at 16,545', 16,280, 16,190', 16,080' and 16,000' while running FDC-CNL. Unable to run FDC-CNL log because of extremely sticky hole. Rigged down Schlumberger. Pumped 39 barrels mud flush, 8 barrels diesel, 203 barrel invert mud, 2 barrels diesel, 72 barrels mud. Tripped out.
- 11-3-74: T.D. 17,020'; ran 78 joints 5½", 22.54#, P-110, SFJP Hydril casing. Set liner at 16,800'; top of liner at 13,495'. Rigged up Schlumberger and attempted to run FDC-CNL log. Tool stopped at 12,997'. Pulled out of hole. Picked up Otis "WB" packer and tailpipe assembly. Set packer at 13,485'. Pressure tested to 2000 psi for 30 mins.; held OK. Rigged up Halliburton to displace 300 barrels of mud with water and lost circulation.
- 11-4 & 5-74: Picked up Halliburton RTTS Packer and tripped in to 5,953'; pressured to 2000 psi; bled off to 800 psi in 2 mins. Tripped in with packer to 7533' and displaced mud with water. Began testing for hole in 7-5/8" casing. Determined hole is between 6294' and 6325'. Picked up retrievable BP and RTTS; set BP at 6511' and RTTS at 6407'. Pressure tested to 3000 psi between BP and RTTS. Spotted 3 sacks of sand on top of BP. Reset RTTS at 6232'.

--- CONTINUED ON PAGE 2 ---

18. I hereby certify that the foregoing is true and correct

SIGNED

*J. D. Holliman*  
J. D. Holliman

TITLE

Manager of Operations  
Northern District

DATE

December 13, 1974

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:



Form OGCC-1 b.

STATE OF UTAH  
OIL & GAS CONSERVATION COMMISSION

SUBMIT IN TRIPLICATE\*  
(Other instructions on re-  
verse side)

# SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO.
2. NAME OF OPERATOR MAPCO Inc.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
3. ADDRESS OF OPERATOR Suite 320, Plaza West 1537 Avenue D, Billings, Montana 59102		7. UNIT AGREEMENT NAME
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface NW NE (927' FNL & 1580' FEL) Section 24, T. 1 S., R. 5 W., Duchesne County, Utah		8. FARM OR LEASE NAME Wilkins
14. PERMIT NO. 43-013-30320		9. WELL NO. 1 - 24
15. ELEVATIONS (Show whether DP, RT, OK, etc.) 6957' Ungraded Ground		10. FIELD AND POOL, OR WILDCAT Altamont
		11. SEC., T., R., M., OR BLM. AND SURVEY OR AREA Section 24, T. 1 S., R. 5 W.,
		12. COUNTY OR PARISH Duchesne
		13. STATE Utah

## 16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

## NOTICE OF INTENTION TO:

## SUBSEQUENT REPORT OF:

TEST WATER SHUT-OFF

PULL OR ALTER CASING

WATER SHUT-OFF

REPAIRING WELL

FRACTURE TREAT

MULTIPLE COMPLETE

FRACTURE TREATMENT

ALTERING CASING

SHOOT OR ACIDIZE

ABANDON\*

SHOOTING OR ACIDIZING

ABANDONMENT\*

REPAIR WELL

CHANGE PLANS

(Other)

(Other)

(NOTE: Report results of multiple completion on Well  
Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

### NOVEMBER REPORT - CONTINUED

Halliburton squeeze cemented with 200 sacks Class "G". Overdisplaced cement into hole in 7-5/8" casing by 10 barrels. WOC. Halliburton squeeze cemented with 300 sacks Class "G" through RTTS set at 6046'. Pumped a total of 56 barrels cement slurry. Pumped and staged 52 bbls. cement behind casing. Tripped out and laid down RTTS. Picked up mill and tripped in hole. Top of cement at 6159'. Drilled hard cement from 6220' to 6294'. Attempted to pressure test casing. Pressure would not hold. Tripped out with mill. Picked up RTTS and tripped in to approx. 6000'.

11-8-74: Set RTTS at 6417'; pressure tested to 3500 psi; held. Pulled 4 stands. Set RTTS at 6046'. Halliburton squeezed with 100 sacks Class "G" cement in 10 stages. Held at 3500 psi for 30 mins. WOC. Tripped out with RTTS packer and in with cement mill. Drilled hard cement from 6231' to 6303'. Pressure tested casing to 3500 psi. Bled back to 3000 psi in 20 mins. Held at 3000 psi for 30 mins.

11-9 & 10-74: Chained out of hole with Halliburton retrievable bridge plug. Tripped in to displace mud at approx. 9300' with water, and to top of Otis production packer at 13,485' to displace mud with water. Laid down DP; cleaned pits and nipped down BOP stack. RELEASED RIG 11-10-74.

11-11 thru 30: T.D. 17,020'; RDRT and waiting on completion rig.

18. I hereby certify that the foregoing is true and correct

Manager of Operations

SIGNED

TITLE Northern District

DATE

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

\*See Instructions on Reverse Side

STATE OF UTAH  
OIL & GAS CONSERVATION COMMISSIONSUBMIT IN TRIPLICATE\*  
(Other instructions on reverse side)

## SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO.
2. NAME OF OPERATOR MAPCO Inc.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
3. ADDRESS OF OPERATOR Suite 320, Plaza West 1537 Avenue D, Billings, Montana 59102		7. UNIT AGREEMENT NAME
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface NW NE (927' FNL & 1580' FEL) Section 24, T. 1 S., R. 5 W., Duchesne County, Utah		8. FARM OR LEASE NAME Wilkins
14. PERMIT NO. 43-013-30320		9. WELL NO. 1 - 24
15. ELEVATIONS (Show whether DF, RT, OR, etc.) 6957' Ungraded Ground		10. FIELD AND POOL, OR WILDCAT Altamont
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Section 24, T. 1 S., R. 5 W.,
		12. COUNTY OR PARISH Duchesne
		13. STATE Utah

## 16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

## NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF	<input type="checkbox"/>	PULL OR ALTER CASING	<input type="checkbox"/>
FRACTURE TREAT	<input type="checkbox"/>	MULTIPLE COMPLETE	<input type="checkbox"/>
SHOOT OR ACIDIZE	<input type="checkbox"/>	ABANDON*	<input type="checkbox"/>
REPAIR WELL	<input type="checkbox"/>	CHANGE PLANS	<input type="checkbox"/>
(Other)			

## SUBSEQUENT REPORT OF:

WATER SHUT-OFF	<input type="checkbox"/>	REPAIRING WELL	<input type="checkbox"/>
FRACTURE TREATMENT	<input type="checkbox"/>	ALTERING CASING	<input type="checkbox"/>
SHOOTING OR ACIDIZING	<input type="checkbox"/>	ABANDONMENT*	<input type="checkbox"/>
(Other)			

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

## DECEMBER REPORT:

12-1 thru 12-31-74: T.D. 17,020'; waiting on completion unit.

18. I hereby certify that the foregoing is true and correct

SIGNED

*Agnes M. Model* for  
J. D. Holliman

TITLE

Manager of Operations  
Northern District

DATE

January 15, 1975

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

STATE OF UTAH  
OIL & GAS CONSERVATION COMMISSION

SUBMIT IN TRIPLICATE\*  
(Other instructions on reverse side)

# SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO.
2. NAME OF OPERATOR MAPCO Inc.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
3. ADDRESS OF OPERATOR Suite 320, Plaza West 1537 Avenue D, Billings, Montana 59102		7. UNIT AGREEMENT NAME
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface NW NE (927' FNL & 1580' FEL) Section 24, T. 1 S., R. 5 W., Duchesne County, Utah		8. FARM OR LEASE NAME Wilkins
14. PERMIT NO. 43-013-30320		9. WELL NO. 1 - 24
15. ELEVATIONS (Show whether DF, RT, OR, etc.) 6957' Ungraded Ground		10. FIELD AND POOL, OR WILDCAT Altamont
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Section 24, T. 1 S., R. 5 W.,
		12. COUNTY OR PARISH Duchesne
		13. STATE Utah

## 16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

### NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

☐  
☐  
☐  
☐

PULL OR ALTER CASING

☐  
☐  
☐  
☐

FRACTURE TREAT

MULTIPLE COMPLETE

SHOOT OR ACIDIZE

ABANDON\*

REPAIR WELL

CHANGE PLANS

(Other)

### SUBSEQUENT REPORT OF:

WATER SHUT-OFF

☐  
☐  
☐  
☐

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

ALTERING CASING

ABANDONMENT\*

☐  
☐  
☐  
☐

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.) \*

### JANUARY REPORT:

1-1 thru 1-31-75: T.D. 17,020'; waiting on completion rig and production tubing.

18. I hereby certify that the foregoing is true and correct

SIGNED

*Agnes W. Model*  
(Mrs.) Agnes W. Model

TITLE

Geological Clerk &amp; Secretary

DATE

2-14-75

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

STATE OF UTAH  
OIL & GAS CONSERVATION COMMISSION

SUBMIT IN TRIPLICATE\*  
(Other instructions on reverse side)

# SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO.
2. NAME OF OPERATOR MAPCO Inc.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
3. ADDRESS OF OPERATOR Suite 320, Plaza West 1537 Avenue D, Billings, Montana 59102		7. UNIT AGREEMENT NAME
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface NW NE (927' FNL & 1580' FEL) Section 24, T. 1 S., R. 5 W., Duchesne County, Utah		8. FARM OR LEASE NAME Wilkins
14. PERMIT NO. 43-013-30320		9. WELL NO. 1 - 24
15. ELEVATIONS (Show whether DF, RT, CR, etc.) 6957' Ungraded Ground		10. FIELD AND POOL, OR WILDCAT Altamont
		11. SEC., T., R., M., OR BLM. AND SURVEY OR AREA Section 24, T. 1 S., R. 5 W.,
		12. COUNTY OR PARISH Duchesne
		13. STATE Utah

## 16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

### NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>
(Other) <input type="checkbox"/>	

### SUBSEQUENT REPORT OF:

WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
(Other) <input type="checkbox"/>	

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

## 17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

### FEBRUARY REPORT:

- 2-25-75 T.D. 17,020'; moved in and rigged up Colorado Well Service Rig #55. Removed flange and valve from well head. Installed 6" BOP's. Moved 2", 4.7# seal lok tubing from Marshal 1-20 and unloaded on pipe racks. Closed well in and shut down for night.
- 2-26-75 T.D. 17,020'; hauled out and tallied 451 joints, 2-7/8", 6.5#, N-80 NuLok tubing. Rigged up and ran 1 joint, 2-1/16", 10 round tubing as a stinger followed by 200 joints, 2-7/8", 6.5#, N-80 NuLok tubing to go in hole to wash off top of plug set in Otis WB Packer. Ran total of 6,139.47' of tubing. Closed BOP's and installed safety valve on tubing and shut down for night.
- 2-27-75 T.D. 17,020'; continued running 2-7/8", 6.5#, N-80 NuLok tubing. Ran additional 224 joints when rig broke their torque converter. Total tubing in hole 424 joints, 2-7/8" tubing plus 1 joint, 2-16" stinger. Total footage, 12,651.18'. Shut down for repairs.
- 2-28-75 T.D. 17,020'; Colorado Well Service Rig #55 broke down. Shaft in the torque converter is out. Estimated start up date, 3-3-75. Drop from report until completion rig is repaired.

## 18. I hereby certify that the foregoing is true and correct

SIGNED Agnes W. Model TITLE Geological Clerk & Secretary DATE March 17, 1975  
(Mrs.) Agnes W. Model  
(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY:

STATE OF UTAH

SUBMIT IN TRIPlicate  
(Other instructions on reverse side)

## OIL &amp; GAS CONSERVATION COMMISSION

## SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO.
2. NAME OF OPERATOR MAPCO Inc.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
3. ADDRESS OF OPERATOR Suite 320, Plaza West 1537 Avenue D, Billings, Montana 59102		7. UNIT AGREEMENT NAME
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface NW NE (927' FNL & 1580' FEL) Section 24, T. 1 S., R. 5 W., Duchesne County, Utah		8. FARM OR LEASE NAME Wilkins
14. PERMIT NO. 43-013-30320		9. WELL NO. 1 - 24
15. ELEVATIONS (Show whether DF, RT, CR, etc.) 6957' Ungraded Ground		10. FIELD AND POOL, OR WILDCAT Altamont
		11. SEC., T., R., M., OR BLE. AND SURVEY OR AREA Section 24, T. 1 S., R. 5 W.,
		12. COUNTY OR PARISH 13. STATE Duchesne Utah

## 16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

## NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

☐  
☐  
☐  
☐

PULL OR ALTER CASING

☐  
☐  
☐  
☐

MULTIPLE COMPLETE

ABANDON\*

CHANGE PLANS

(Other)

## SUBSEQUENT REPORT OF:

WATER SHUT-OFF

☐  
☐  
☐

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

ALTERING CASING

ABANDONMENT\*

☐  
☐  
☐

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

## MARCH REPORT:

Completing well for production as detailed on attached daily report sheets.

18. I hereby certify that the foregoing is true and correct

SIGNED

Agnes W. Model  
(Mrs.) Agnes W. Model

TITLE

Geological Clerk &amp; Secretary

DATE

4-16-75

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

# EXXON CHEMICAL COMPANY U.S.A.

**EXXON**  
CHEMICALS

834-0006-1A

## WATER ANALYSIS

Houston Chemical Plant  
8230 Stedman, Houston, Texas 77029

SAMPLE DESCRIPTION: Water from Wilkins No. 1-24, Altamont Field, Utah

COMPANY: Mapco Production Company, Roosevelt, Utah

STSR NUMBER: 75-6041-31

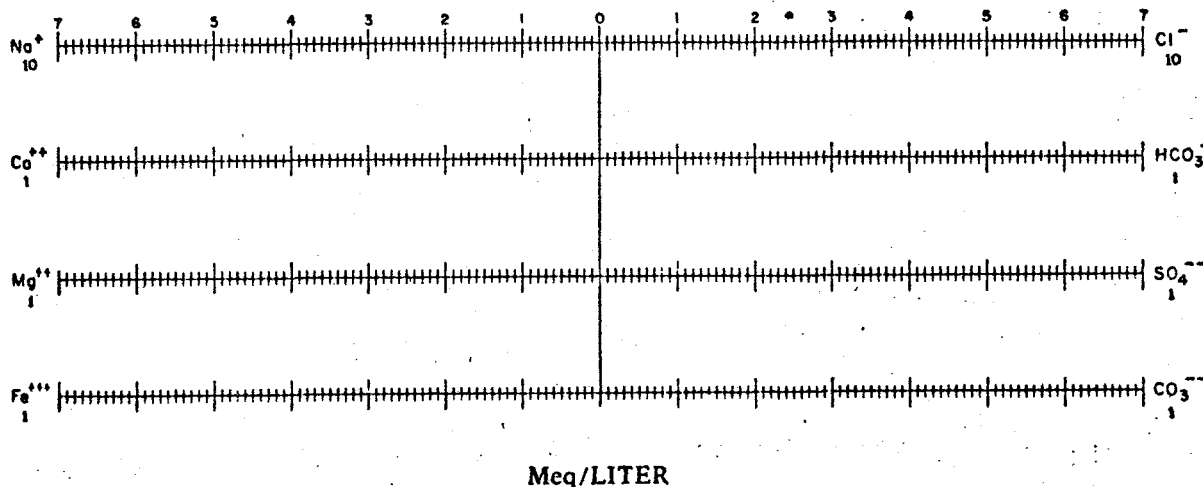
REQUESTED BY: F. H. Collett

DATE RECEIVED: April 1, 1975

ANALYZED BY: C. S. Lieberman

	<u>Mg/L</u>	<u>Meq/L</u>		
Sodium	3,610	157	pH	7.7
Calcium	60	3	Specific Gravity at <u>60°F.</u>	1.012
Magnesium	73	6		
Chloride	4,010	113		<u>Mg/L</u>
Sulfate	2,000	42	Oil Content	6
Bicarbonate	683	11.2	Organic Matter	
Carbonate	Nil	-	Hydrogen Sulfide	
Hydroxide	Nil	-	<u>Barium</u>	Nil
TOTAL	10,436			
Dissolved Iron				
Total Iron	Trace			

### WATER PATTERN (Stiff Method)



Remarks:

DAILY DRILLING REPORT

PAGE 25

MAPCO INC., WILKINS NO. 1-24

NE/4 NE/4 SEC. 24, T. 1 S., R W., USB & M

DUCHESNE COUNTY, UTAH

- 2-26-75 T.D. 17,020'; hauled out and tallied 451 joints, 2-7/8", 6.5#, N-80 NuLok tubing. Rigged up and ran 1 joint, 2-1/16", 10 round tubing as a stinger followed by 200 joints, 2-7/8", 6.5#, N-80 NuLok tubing to go in hole to wash off top of plug set in Otis WB Packer. Ran total of 6,139.47' of tubing. Closed BOP's and installed safety valve on tubing and shut down for night.
- 2-27-75 T.D. 17,020'; continued running 2-7/8", 6.5#, N-80 NuLok tubing. Ran additional 224 joints when rig broke their torque converter. Total tubing in hole 424 joints, 2-7/8" tubing plus 1 joint, 2-16" stinger. Total footage, 12,651.18'. Shut down for repairs.
- 2-28-75 T.D. 17,020'; Colorado Well Service Rig #55 broke down. Shaft in the torque converter is out. Estimated start up date, 3-3-75. Drop from report until completion rig is repaired.
- 3-4-75 T.D. 17,020'; Colorado Well Service Rig #55 started up at 3:00 PM, 3-3-75. Picked up additional 19 joints, 2-7/8" NuLok, 6.5#, N-80 tubing when hit fillup in 7-5/8" casing. Fillup calculated to be 232' above packer. Attempted to reverse circulate it out, but rig pump would not work. Worked on rig pump from 5:00 PM to 7:30 PM, 3-3-75. Shut well in and shut down for night.
- 3-5-75 T.D. 17,020'; attempted to reverse circulate. Well pressured to 2,200 psi. Pumped down 2-7/8" tubing. Pressure went to 2,750 psi, then circulated. Reverse circulated. Could not make any hole. Worked and circulated for 2 hours, made 20' hole. Worked tubing and reverse circulated for 4½ hours. Could not make any hole. Started out of hole with tubing strapping out. Pulled 97 stands tubing. Closed well in and shut down for night. Total fillup left in hole 225' above packer.
- 3-6-75 T.D. 17,020'; continued P00H. 2-1/16" joint of wash pipe on bottom was bent and had been on iron. Started in hole with 6.565" flat bottom mill. Could not get below 180'. P00H. Went back in hole with 6½" mill tooth bit. When 38 stands off bottom, found error in the addition of the strap of tubing. Found that 2-1/16" wash pipe was on top of packer. P00H. Lacked 60 stands of being out of hole when closed well in and shut down for night.
- 3-7-75 T.D. 17,020'; continued pulling stands of tubing. Broke out bit and installed Otis Seal Assembly and started in hole with 2-7/8", 6/5#, N-80, NuLok tubing. Hydro-tested to 10,000 psi below slips. No leaks. Ran 171 stands in hole. Closed well in and shut down for night.

DAILY DRILLING REPORT

PAGE 26

MAPCO INC., WILKINS NO. 1-24

NE/4 NE/4 SEC. 24, T. 1 S., R. W., USB & M

DUCHESNE COUNTY, UTAH

- 3-8-75 T.D. 17,020'; continued running 2-7/8" production string, hydro-testing each stand to 10,000#. Found no leaks. Spaced out and hydro-tested hanger seal to 10,000#. Tubing in hole as follows: Otis Seal Assembly, 443 joints, 2-7/8", 6.5#, Armco NuLock N-80 tubing plus 1 - 3' pup joint. Landed 2-7/8" tubing at 13,485.02' with 4,000# set down weight on packer. Pumped down 2-7/8" tubing and circulated to pit as follows: 175 barrels fresh water (120°F), 365 barrels inhibited 10#/gallon, CaCl<sub>2</sub> water (120°F), and 75 barrels fresh water (120°F). Latched into packer and hung tubing in spool. Set Gray BPV in 2-7/8". Closed well in and shut down for night.
- 3-9-75 T.D. 17,020'; picked up and ran in hole 150 joints, 2-7/8", 4.7#, J-55 Armco Seal Lock used tubing with overall measurements 4,462.75', landed at 4,483.75' KB. Removed L & M 6" BOP and installed Gray tree. Rigged up BJ and tested 2-7/8" tubing through tree to 10,000#. Held pressure on tubing for 15 minutes. No bleed off. Pressured annulus to 2,500 psi for 15 minutes. No bleed off. Rigged down BJ. Closed tree and shut down for night.
- 3-10-75 T.D. 17,020'; DBA Oil Service rigged up lines to well head. Rigged up GO International and went in hole with Otis XX plug retriever, spang jars, hydraulic jars, CCL and 14 sinker bars. Latched onto Otis XX plug. Pressure on tubing had increased to 3,000 psi with wireline displacement. After latching unto plug, it would not equalize. Bled pressure on well head to 400 psi and jarred down on plug. Pressure on tubing increased to 1,000 psi. Jarred on plug attempting to get loose. Plug would not come loose. Jarred on plug, but could not move it. Bled pressure on tubing to zero. Attempted to jar plug loose, but could not do so. Jarred on plug both ways. Could not get off tool by shearing down and could not get plug loose by jarring up. After jarring for eight hours, pulled out of rope socket. POOH. Closed well in and shut down for night.
- 3-11-75 T.D. 17,020'; GO International ran in hole with overshot, hydraulic jars, spang jars, CCL, and 14' sinker bar. Well head pressure was zero when started in hole. Latched onto fish and attempted to jar up to pull XX plug which fish was latched onto. Both sets of hydraulic jars and both sets of spang jars were working. Unable to get anything loose. Rigged up BJ and pumped on tubing while working wireline. Increased pressure on tubing to 3,500 psi by BJ. Still could not get plug loose. Started jarring down with GO International to shear off Otis plug retriever. Finally sheared off and POOH. Retrieved everything from hole but Otis XX plug. Went back in hole with GO International 2-1/8" tubing jet cutter gun. Logged through packer and found that could only get to middle XX nipple. Did not shoot off. POOH. Closed well in and shut down for night.



DAILY DRILLING REPORT

PAGE 27

MAPCO INC., WILKINS NO. 1-24

NE/4 NE/4 SEC. 24, T. 1 S., R. W., USB & M

DUCHESNE COUNTY, UTAH

- 3-12-75 T.D. 17,020'; rigged up G0 International and went in hole with 4 shot perforation gun, CCL, 21' sinker bars. Logged top of packer and top X-nipple. Shot 4 holes in 10' pup joint, 8' below top X-nipple. Perforated 13,503' to 13,504' KB. Pressure on tubing went from 0 to 2,000 psi when gun fired. POOH and rigged G0 International down. Tubing pressure, 2,800 psi. Opened well to pit on 12/64" choke with 2,800 psi FTP, decreased to 800 psi in 1 hour. Opened choke to 20/64", pressure decreased from 800 psi to zero. Opened choke to 30/64" for 4½ hours, flowing very small stream of water. No gas to surface. Shut well in at 5:30 PM, 3-11-75, to wait on NOWSCO tubing unit. Flowed approximately 50 barrels water to pit. Well head had 800 psi on tubing at midnight.
- 3-13-75 T.D. 17,020'; rigged up NOWSCO 3/4" coiled tubing unit and N<sub>2</sub> pump truck. Well head pressure, 1,200 psi. Opened well to pit, well died in 10 minutes. Started in hole with coiled tubing and 400 SCFM N<sub>2</sub>. Blew water out of hole to pit. Hit mud at 5,000'. Continued pumping 450-500 SCFM N<sub>2</sub>. Mud coming out was so thick that it would not even run as it came out to pit. Could not even push tubing in hole. Finally worked tubing 8,000' and ran out of N<sub>2</sub>. Hat to POOH and get another N<sub>2</sub> truck for 3-13-75. Closed well in and shut down for night.
- 3-14-75 T.D. 17,020'; well head pressure, 2,400 psi. Opened well to pit on 32/64" choke. Well started making gas, and oil cut mud. Started in hole with 3/4" NOWSCO coiled tubing, pumping 300 SCFM N<sub>2</sub>. Well kicked gas, oil and oil cut mud. Ran tubing to 10,000'. Well started making oil and gas and mud. Choke on 48/64" and pressure varied from 40 psi to 600 psi. POOH and rigged NOWSCO down. Left well flowing to pit on 24/64" choke with 500 psi FTP. Well flowed mud, oil cut mud, and gas. Well died after flowing for 4 hours to pit. Closed well in. After 2 hours, no pressure. After 6 hours well had 500 psi on tubing. Opened well to pit on 24/64" choke, well died in 30 minutes. Closed well in. Tubing pressure was 2,550 psi at 5 AM, 3-14-75.
- 3-15-75 T.D. 17,020'; flowed 742 barrels of oil in 14 hours through 45/64" choke at 4300 psi FTP. Shut in for 10 hours at 4300 psi FTP. Opened well to pit with 4,000 psi on 24/64" choke. Well made mud, oil, and gas. Left well flowing to pit for 6 hours. When it cleaned up, turned well to tanks bypassing treater. Well was making 65 BPH. Left well flowing to tanks bypassing treater until filled two 1,000 barrels storage tanks.

STATE OF UTAH

SUBMIT IN DUPLICATE\*

(See other instructions on reverse side)

## OIL &amp; GAS CONSERVATION COMMISSION

## WELL COMPLETION OR RECOMPLETION REPORT AND LOG \*

5. LEASE DESIGNATION AND SERIAL NO.

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Wilkins

9. WELL NO.

1 - 24

10. FIELD AND POOL, OR WILDCAT

Altamont

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA

Section 24  
T. 1 S., R. 5 W.

12. COUNTY OR PARISH

Duchesne

13. STATE

Utah

1a. TYPE OF WELL: OIL WELL ☒ GAS WELL ☐ DRY ☐ Other \_\_\_\_\_b. TYPE OF COMPLETION: NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ Other \_\_\_\_\_

2. NAME OF OPERATOR

MAPCO INC.

3. ADDRESS OF OPERATOR

Suite 320 Plaza West  
1537 Avenue D, Billings, Montana 59102

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)\*

At surface

NW NE (927' FNL &amp; 1580' FEL)

At top prod. interval reported below

Section 24, T. 1 S., R. 5 W.

At total depth

Duchesne County, Utah

14. PERMIT NO.

43-013-30320

DATE ISSUED

6-12-74

15. DATE SPUDDED

6-15-74

16. DATE T.D. REACHED

10-30-74

17. DATE COMPL. (Ready to prod.)

3-11-75

18. ELEVATIONS (DF, RKB, RT, GR, ETC.)\*

6957' GL - 6978' KB

19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD &amp; TVD

17,020'

21. PLUG, BACK T.D., MD &amp; TVD

16,800'

22. IF MULTIPLE COMPL., HOW MANY\*

23. INTERVALS DRILLED BY

ROTARY TOOLS

CABLE TOOLS

Surf-17020'

24. PRODUCING INTERVAL(S), OF THIS COMPLETION--TOP, BOTTOM, NAME (MD AND TVD)\*

Wasatch -- 13,810-16,800'

25. WAS DIRECTIONAL SURVEY MADE

No

26. TYPE ELECTRIC AND OTHER LOGS RUN

BHC-Sonic-GR, Dual Induction Laterolog 8,  
FDC-CNL-Caliper

27. WAS WELL CORED

No

28. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
9-5/8"	36	3637	12-1/4"	1050 sacks	
7-5/8"	26.4, 29.7,				
	33.7	13810	8-3/4"	750 sacks	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
5-1/2"	13,495	16,800	None		2-3/8"	4484'	
					2-7/8"	13,485'	13,485'

31. PERFORATION RECORD (Interval, size and number)

15,712-15,717'

15,734-15,739'

16,018-16,023'

All zones shot w/2 shots/ft.

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED

33.\* PRODUCTION

DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)				WELL STATUS (Producing or shut-in)	
3-14-75		Flowing				Producing	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
3-17-75	72	18/64	→	2592	864	9	333
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	
000-1500 psi		→	864	288	3	44.4	

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

Sold

TEST WITNESSED BY

D. D. Grimlie

35. LIST OF ATTACHMENTS

None

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

Manager of Operations

SIGNED

TITLE Northern District

DATE June 13, 1975

\*(See Instructions and Spaces for Additional Data on Reverse Side)

## INSTRUCTIONS

**General:** This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, and/or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formations, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

**Item 18:** Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments. **Items 22 and 24:** If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

**Item 29: "Sacks Cement":** Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool. For each additional interval to be separately produced, showing the shut-in and production periods for each interval, to be separately produced. (See instruction for items 22 and 24 above.)

37. SUMMARY OF POROUS ZONES: SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES				38. GEOLOGIC MARKERS		
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	MEAS. DEPTH	TOP TRUE VERT. DEPTH
				Lower Green River Marker 1	11,330	(-4352)
				Top Red Beds	13,086	(-6108)
				Base Red Beds	15,646	(-8668)

JUN 30 1975

STATE OF UTAH  
OIL & GAS CONSERVATION COMMISSION

SUBMIT IN TRIPLICATE\*  
(Other instructions on reverse side)

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO.	
2. NAME OF OPERATOR MAPCO Inc.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
3. ADDRESS OF OPERATOR Suite 320, Plaza West 1537 Avenue D, Billings, Montana 59102		7. UNIT AGREEMENT NAME	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface NW NE (927' FNL & 1580' FEL) Section 24, T. 1 S., R. 5 W., Duchesne County, Utah		8. FARM OR LEASE NAME Wilkins	
14. PERMIT NO. 43-013-30320		9. WELL NO. 1 - 24	
15. ELEVATIONS (Show whether DP, RT, GR, etc.) 6957' Ungraded Ground		10. FIELD AND POOL, OR WILDCAT Altamont	
		11. SEC., T., R., M., OR BLE. AND SURVEY OR AREA Section 24, T. 1 S., R. 5 W.,	
		12. COUNTY OR PARISH Duchesne	13. STATE Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <input type="checkbox"/>	(Other) <input type="checkbox"/>
(Other) <input type="checkbox"/>	<input checked="" type="checkbox"/>	(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)	

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

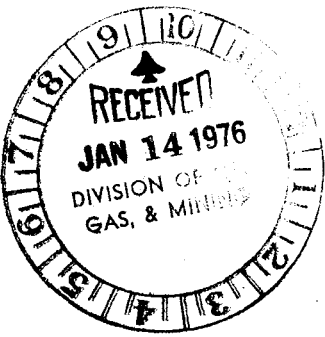
Subject well has junk blocking the 5-1/2" liner at 15,742'. Efforts to remove the junk were unsuccessful.

Plans are to redrill (sidetrack) the interval 15,740-16,340' and install a 3-1/2" liner across the interval. The proposed work will effectively recomplate this well in the productive interval (Wasatch).

APPROVED BY THE DIVISION OF  
OIL, GAS, AND MINING

DATE: Jan 14, 1976

BY: P. H. Russell



18. I hereby certify that the foregoing is true and correct

SIGNED <u>J. D. Holliman</u>	TITLE <u>Manager of Operations Northern District</u>	DATE <u>January 12, 1976</u>
(This space for Federal or State office use)		

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY:

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS, AND MINING

P

BMA IN TRIPLICATE\*  
(Other instructions on  
reverse side)

## SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals.)

<p>1. <input type="checkbox"/> OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER</p> <p>2. NAME OF OPERATOR <u>A.F.E. Management Co. (c/o D.A. Kimball)</u></p> <p>3. ADDRESS OF OPERATOR <u>36 South State Street, Salt Lake City, Utah</u></p> <p>4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface <u>NW<math>\frac{1}{4}</math> NE<math>\frac{1}{4}</math> (927' FNL 1580' FEL) Section 24</u></p> <p>14. PERMIT NO. <u>43-013-30320</u></p>	<p>5. LEASE DESIGNATION AND SERIAL NO.</p> <p>6. IF INDIAN, ALLOTTEE OR TRIBE NAME</p> <p>7. UNIT AGREEMENT NAME</p> <p>8. FARM OR LEASE NAME <u>Wilkins</u></p> <p>9. WELL NO. <u>1-24A5</u></p> <p>10. FIELD AND POOL, OR WILDCAT <u>Altamont</u></p> <p>11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA <u>Section 24</u></p> <p><u>T1S R5W Uinta SPM</u></p> <p>12. COUNTY OR PARISH <u>Duchesne</u></p> <p>13. STATE <u>Utah</u></p>
<p>15. ELEVATIONS (Show whether DF, RT, OR, etc.) <u>6957 Ground Level</u></p>	

16. **Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data**

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>
(Other) <input type="checkbox"/>	<input type="checkbox"/>

SUBSEQUENT REPORT OF:

WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
(Other) <u>Monthly Report of Operation</u>	<input checked="" type="checkbox"/>

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

OCTOBER'S REPORT:

Evaluating Electrical Logs and Preparing workover procedure.

18. I hereby certify that the foregoing is true and correct

SIGNED

P.L. Driscoll

TITLE Consultant

DATE Nov. 2, 1981

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS, AND MINING

## SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO.
2. NAME OF OPERATOR A.F.E. Management Co.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
3. ADDRESS OF OPERATOR Suite 208 372 Bay Street, Toronto, Ontario, Canada M5H2W9		7. UNIT AGREEMENT NAME
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface NW $\frac{1}{2}$ NE $\frac{1}{2}$ Section 24 (927 FNL 1580 FEL)		8. FARM OR LEASE NAME Wilkins
14. PERMIT NO. 43-013-30320		9. WELL NO. 1-24A5
15. ELEVATIONS (Show whether DF, RT, OR, etc.) 6957 Ground Level		10. FIELD AND POOL, OR WILDCAT Altamont
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Section 24 T1S R5W Uinta Meridian
		12. COUNTY OR PARISH Duchesne
		13. STATE Utah

## 16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

## NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF	<input type="checkbox"/>	PULL OR ALTER CASING	<input type="checkbox"/>
FRACTURE TREAT	<input type="checkbox"/>	MULTIPLE COMPLETE	<input type="checkbox"/>
SHOOT OR ACIDIZE	<input type="checkbox"/>	ABANDON*	<input type="checkbox"/>
REPAIR WELL	<input type="checkbox"/>	CHANGE PLANS	<input type="checkbox"/>
(Other)	<input type="checkbox"/>		<input type="checkbox"/>

## SUBSEQUENT REPORT OF:

WATER SHUT-OFF	<input type="checkbox"/>	REPAIRING WELL	<input type="checkbox"/>
FRACTURE TREATMENT	<input type="checkbox"/>	ALTERING CASING	<input type="checkbox"/>
SHOOTING OR ACIDIZING	<input type="checkbox"/>	ABANDONMENT*	<input type="checkbox"/>
(Other)	<input checked="" type="checkbox"/>	Monthly Report of Operations	<input checked="" type="checkbox"/>

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

## NOVEMBERS REPORT

Evaluation and workover procedure completed. Completion rig will  
be moved in during early part of 1982

18. I hereby certify that the foregoing is true and correct

SIGNED Patrick L. Driscoll  
Patrick L. DriscollTITLE ConsultantDATE Dec. 14, 1981

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY:

TITLE \_\_\_\_\_

DATE \_\_\_\_\_

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS, AND MINING

SUBMIT IN TRIPLICATE\*  
(Other instructions on  
reverse side)

P 2

## SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals.)

<b>1.</b> OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		<b>5. LEASE DESIGNATION AND SERIAL NO.</b>  																				
<b>2. NAME OF OPERATOR</b> A.F.E Management Limited		<b>6. IF INDIAN, ALLOTTED OR TRIBE NAME</b>  																				
<b>3. ADDRESS OF OPERATOR</b> Suite 208 372 Bay Street, Toronto, Ontario, Canada M5H 2W9		<b>7. UNIT AGREEMENT NAME</b>  																				
<b>4. LOCATION OF WELL</b> (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface NW $\frac{1}{4}$ NE $\frac{1}{4}$ Section 24 (927 FNL 1580 FEL)		<b>8. FARM OR LEASE NAME</b> WILKINS																				
<b>14. PERMIT NO.</b> 43-013-30320		<b>9. WELL NO.</b> 1-2445																				
<b>15. ELEVATIONS</b> (Show whether DF, RT, GR, etc.) 6957 Ground Level		<b>10. FIELD AND POOL, OR WILDCAT</b> Altamont																				
<b>16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data</b> <table style="width: 100%; border: none;"> <tr> <td style="width: 50%; vertical-align: top;"> <b>NOTICE OF INTENTION TO:</b>  <table style="width: 100%; border: none;"> <tr> <td style="width: 50%;">TEST WATER SHUT-OFF <input type="checkbox"/></td> <td style="width: 50%;">PULL OR ALTER CASING <input type="checkbox"/></td> </tr> <tr> <td>FRACTURE TREAT <input type="checkbox"/></td> <td>MULTIPLE COMPLETE <input type="checkbox"/></td> </tr> <tr> <td>SHOOT OR ACIDIZE <input type="checkbox"/></td> <td>ABANDON* <input type="checkbox"/></td> </tr> <tr> <td>REPAIR WELL <input type="checkbox"/></td> <td>CHANGE PLANS <input type="checkbox"/></td> </tr> <tr> <td>(Other) <input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> </table> </td> <td style="width: 50%; vertical-align: top;"> <b>SUBSEQUENT REPORT OF:</b>  <table style="width: 100%; border: none;"> <tr> <td style="width: 50%;">WATER SHUT-OFF <input type="checkbox"/></td> <td style="width: 50%;">REPAIRING WELL <input type="checkbox"/></td> </tr> <tr> <td>FRACTURE TREATMENT <input type="checkbox"/></td> <td>ALTERING CASING <input type="checkbox"/></td> </tr> <tr> <td>SHOOTING OR ACIDIZING <input type="checkbox"/></td> <td>ABANDONMENT* <input type="checkbox"/></td> </tr> <tr> <td>(Other) <input checked="" type="checkbox"/> Monthly Operations Report</td> <td><input checked="" type="checkbox"/></td> </tr> </table> </td> </tr> </table>		<b>NOTICE OF INTENTION TO:</b> <table style="width: 100%; border: none;"> <tr> <td style="width: 50%;">TEST WATER SHUT-OFF <input type="checkbox"/></td> <td style="width: 50%;">PULL OR ALTER CASING <input type="checkbox"/></td> </tr> <tr> <td>FRACTURE TREAT <input type="checkbox"/></td> <td>MULTIPLE COMPLETE <input type="checkbox"/></td> </tr> <tr> <td>SHOOT OR ACIDIZE <input type="checkbox"/></td> <td>ABANDON* <input type="checkbox"/></td> </tr> <tr> <td>REPAIR WELL <input type="checkbox"/></td> <td>CHANGE PLANS <input type="checkbox"/></td> </tr> <tr> <td>(Other) <input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> </table>	TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <input type="checkbox"/>	<input type="checkbox"/>	<b>SUBSEQUENT REPORT OF:</b> <table style="width: 100%; border: none;"> <tr> <td style="width: 50%;">WATER SHUT-OFF <input type="checkbox"/></td> <td style="width: 50%;">REPAIRING WELL <input type="checkbox"/></td> </tr> <tr> <td>FRACTURE TREATMENT <input type="checkbox"/></td> <td>ALTERING CASING <input type="checkbox"/></td> </tr> <tr> <td>SHOOTING OR ACIDIZING <input type="checkbox"/></td> <td>ABANDONMENT* <input type="checkbox"/></td> </tr> <tr> <td>(Other) <input checked="" type="checkbox"/> Monthly Operations Report</td> <td><input checked="" type="checkbox"/></td> </tr> </table>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>	(Other) <input checked="" type="checkbox"/> Monthly Operations Report	<input checked="" type="checkbox"/>	<b>11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA</b> Section 24 T1S R2W5W Uinta Special
<b>NOTICE OF INTENTION TO:</b> <table style="width: 100%; border: none;"> <tr> <td style="width: 50%;">TEST WATER SHUT-OFF <input type="checkbox"/></td> <td style="width: 50%;">PULL OR ALTER CASING <input type="checkbox"/></td> </tr> <tr> <td>FRACTURE TREAT <input type="checkbox"/></td> <td>MULTIPLE COMPLETE <input type="checkbox"/></td> </tr> <tr> <td>SHOOT OR ACIDIZE <input type="checkbox"/></td> <td>ABANDON* <input type="checkbox"/></td> </tr> <tr> <td>REPAIR WELL <input type="checkbox"/></td> <td>CHANGE PLANS <input type="checkbox"/></td> </tr> <tr> <td>(Other) <input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> </table>	TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <input type="checkbox"/>	<input type="checkbox"/>	<b>SUBSEQUENT REPORT OF:</b> <table style="width: 100%; border: none;"> <tr> <td style="width: 50%;">WATER SHUT-OFF <input type="checkbox"/></td> <td style="width: 50%;">REPAIRING WELL <input type="checkbox"/></td> </tr> <tr> <td>FRACTURE TREATMENT <input type="checkbox"/></td> <td>ALTERING CASING <input type="checkbox"/></td> </tr> <tr> <td>SHOOTING OR ACIDIZING <input type="checkbox"/></td> <td>ABANDONMENT* <input type="checkbox"/></td> </tr> <tr> <td>(Other) <input checked="" type="checkbox"/> Monthly Operations Report</td> <td><input checked="" type="checkbox"/></td> </tr> </table>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>	(Other) <input checked="" type="checkbox"/> Monthly Operations Report	<input checked="" type="checkbox"/>			
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>																					
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>																					
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>																					
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>																					
(Other) <input type="checkbox"/>	<input type="checkbox"/>																					
WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>																					
FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>																					
SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>																					
(Other) <input checked="" type="checkbox"/> Monthly Operations Report	<input checked="" type="checkbox"/>																					
<b>17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS</b> (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*		<b>12. COUNTY OR PARISH</b> <b>13. STATE</b> Duchesne Utah																				

### JANUARYS REPORT

Workover procedure and evaluation has been completed. A workover rig will be moved in as soon as the weather moderates.

18. I hereby certify that the foregoing is true and correct

SIGNED

TITLE

DATE

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS, AND MINING

## SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO.
2. NAME OF OPERATOR A.F.E. Management Limited		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
3. ADDRESS OF OPERATOR Suite 208, 372 Bay Street, Toronto, Ontario, Canada M5H 2W9		7. UNIT AGREEMENT NAME
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface NW $\frac{1}{4}$ NE $\frac{1}{4}$ Section 24 (927 FNL 1580FEL)		8. FARM OR LEASE NAME Wilkins
14. PERMIT NO. 43-013-30320		9. WELL NO. #1-24-A5
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 6957' Ground Level		10. FIELD AND POOL, OR WILDCAT Altamont
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Section 24 T1S R5W USM
		12. COUNTY OR PARISH Duchesne
		13. STATE Utah

## 16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

## NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>
(Other) <input type="checkbox"/>	

## SUBSEQUENT REPORT OF:

WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
(Other) <u>Notice of Acquisition</u> <input checked="" type="checkbox"/>	

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

## 17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

This well which had been previously owned and operated by Mapco, Inc. has been purchased during the latter part of 1981 by A.F.E. Management Limited.

It is proposed to rework the well during the Early Spring of 1982

The local agent for A.F.E. Management Limited is:

Patrick L. Driscoll  
1933 E. Tartan Avenue  
Salt Lake City, Utah 84108

## 18. I hereby certify that the foregoing is true and correct

SIGNED

*Patrick L. Driscoll*

TITLE

*Consultant*

DATE

*2/8/82*

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:





STATE OF UTAH  
NATURAL RESOURCES & ENERGY  
Oil, Gas & Mining

Scott M. Matheson, Governor  
Temple A. Reynolds, Executive Director  
Cleon B. Feight, Division Director

4241 State Office Building • Salt Lake City, UT 84114 • 801-533-5771

May 20, 1982

A. F. E. Management  
1933 East Tartan Ave.  
Salt Lake City, Utah 84108

Re: Well No. Wilkins #1-24  
Sec. 24, T. 1S, R. 5W.  
Duchesne County, Utah

Gentlemen:

This letter is to advise you that the Well Completion or Recompletion Report and Log for the above mentioned well is due and has not been filed with this office as required by our rules and regulations.

Please complete the enclosed Form OGC-3, in duplicate, and also all drilling information on this well is needed to be forwarded to this office as soon as possible.

Thank you for your cooperation relative to the above.

Very truly yours,

DIVISION OF OIL, GAS AND MINING

*Cari Furse*

Cari Furse  
Clerk Typist

**PATRICK L. DRISCOLL, P.E.**

PETROLEUM ENGINEER  
1933 E. TARTAN AVE.  
SALT LAKE CITY, UTAH 84108  
(801) 582-7247

May 29, 1982

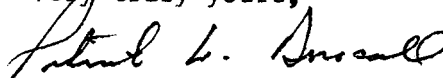
Ms. Cari Furse  
Department of Natural Resources  
Division of Oil, Gas and Mining  
4241 State Office Building  
Salt Lake City, Utah 84114

Re: A.F.E. Management Ltd.  
Wilkins #1-24 T1S R5W  
Duchesne County, Utah

Dear Ms. Furse;

In regards to your letter of May 20, 1982 in respect to the subject well, please be advised that the recompletion work that is intended for this well has not yet commenced. It is presently shut-in and will remain in that category until the recompletion work on A.F.E. Management's Dennie Ralphs #1 is finalized. This will probably be around the First of July.

Very truly yours,



Patrick L. Driscoll



STATE OF UTAH  
NATURAL RESOURCES & ENERGY  
Oil, Gas & Mining

Scott M. Matheson, Governor  
Temple A. Reynolds, Executive Director  
Cleon B. Feight, Division Director

4241 State Office Building • Salt Lake City, UT 84114 • 801-533-5771

March 21, 1983

A. F. E. Management  
372 Bay Street, Suite # 208  
Toronto, Ontario, Canada  
M5H 2W9

Re: Well No. Wilkins # 1-24  
Sec. 24, T. 1S, R. 5W.  
Duchesne County, Utah  
(June 1982- February 1983)

Gentlemen:

Our records indicate that you have not filed the monthly drilling reports for the months indicated above on the subject well.

Rule C-22, General Rules and Regulations and Rules of Practice and Procedure, requires that said reports be filed on or before the sixteenth (16) day of the succeeding month. This report may be filed on Form OGC-1B, (U.S. Geological Survey Form 9-331) "Sundry Notices and Reports on Wells", or on company forms containing substantially the same information. We are enclosing forms for your convenience.

We will be happy to acknowledge receipt of response to this notice if you will include an extra copy of the transmittal letter with a place for our signature, and a self addressed envelope for the return. Such acknowledgement should avoid unnecessary mailing of a firm second notice from our agency.

Your prompt attention to the above will be greatly appreciated.

Respectfully,

DIVISION OF OIL, GAS AND MINING

Cari Furse  
Well Records Specialist

CF/cf  
Enclosure

# A F E management limited

372 BAY STREET, SUITE 208,  
TORONTO, ONTARIO M5H 2W9  
(416) 366-4257

March 30, 1983

RECEIVED  
APR 07 1983

State of Utah  
Natural Resources & Energy  
Oil, Gas & Mining  
4241 State Office Building  
Salt Lake City, Utah 84114  
U.S.A.

DIVISION OF  
OIL, GAS & MINING

ATTENTION: CARI FURSE, WELL RECORDS SPECIALIST

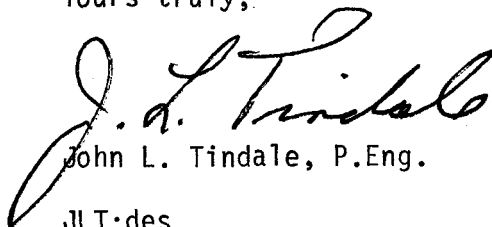
Gentlemen:

RE: WILKINS 1-24A5, Sec. 24, T1S R5W, Duchesne Co., Utah  
API No. 43-103-80320

In reply to your letter of March 21, 1983 regarding the above-captioned well, this is to advise you that no workover has taken place on the site during the months of June 1982 - February 1983. We have, however, flowed the well to the tanks intermittently, such activity being reported monthly on Form DOGC-4, Report of Operations and Well Status Report.

It is our intention to recompleat this well in the Green River Formation during April of 1983 and we will therefore file our Application for Permit shortly.

Yours truly,

  
John L. Tindale, P.Eng.  
JLT:des

We acknowledge receipt of response



Date: 4-8-83

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS, AND MINING

SUBMIT IN TRIPPLICATE  
(Other instructions on  
reverse side)

# SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO.
2. NAME OF OPERATOR AFE Management		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
3. ADDRESS OF OPERATOR 372 Bay Street, Suite 208, Toronto, Ontario, Canada M5H 2W9		7. UNIT AGREEMENT NAME
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 920' FNL, 1580' FEL, Section 24		8. FARM OR LEASE NAME Wilkins
14. PERMIT NO.		9. WELL NO. 1-24
15. ELEVATIONS (Show whether DF, RT, CR, etc.) GR 6957'		10. FIELD AND POOL, OR WILDCAT Altamont
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec 24, T1S, R5W
		12. COUNTY OR PARISH Duchesne
		13. STATE Utah

## 16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

### NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF ☐  
FRACTURE TREAT ☐  
SHOOT OR ACIDIZE ☒  
REPAIR WELL ☐  
(Other) ☐

PULL OR ALTER CASING ☐  
MULTIPLE COMPLETE ☐  
ABANDON\* ☐  
CHANGE PLANS ☐

### SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☐  
FRACTURE TREATMENT ☐  
SHOOTING OR ACIDIZING ☐  
(Other) ☐

REPAIRING WELL ☐  
ALTERING CASING ☐  
ABANDONMENT\* ☐

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting and proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

The following intervals in the lower Green River will be perforated:

12,970' - 76'  
12,804' - 14'  
12,790' - 96'  
12,676' - 86'  
12,498' - 12,502'  
12,350' - 58'

APPROVED BY THE STATE  
OF UTAH DIVISION OF  
OIL, GAS, AND MINING  
DATE: 8/23/83  
BY: [Signature]

18. I hereby certify that the foregoing is true and correct

SIGNED [Signature]

TITLE Consultant

DATE 8/23/83

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY:

TITLE \_\_\_\_\_

DATE \_\_\_\_\_



STATE OF UTAH  
NATURAL RESOURCES  
Oil, Gas & Mining

Scott M. Matheson, Governor  
Temple A. Reynolds, Executive Director  
Dr. G. A. (Jim) Shirazi, Division Director

4241 State Office Building • Salt Lake City, UT 84114 • 801-533-5771

January 6, 1984

AFF Management  
372 Bay Street, Suite 308  
Toronto, Ontario, Canada M5H 2W9

RE: Well No. Wilkins #1-24  
API #43-013-30320  
920' FNL, 1580' FEL  
Sec. 24, T. 1S, R. 5W  
Duchesne County, Utah

Gentlemen:

In preparing our files for data entry we have found that the information that this office has received on the above referred to well is incomplete. It is unclear as to whether or not this well has been worked-over and to what depth it is presently completed.

Please submit a "Sundry Notice" indicating the present status of this well and a "Recompletion Report" if applicable.

Thank you for your prompt attention to this matter.

Respectfully,

Claudia Jones  
Well Records Specialist

CLJ/cj  
Enclosure

# A F E management limited

372 BAY STREET, SUITE 208,  
TORONTO, ONTARIO M5H 2W9  
(416) 366-4257

RECEIVED  
JAN 30 1984

January 25, 1984

DIVISION OF  
OIL, GAS & MINING

State of Utah Natural Resources  
Oil Gas and Mining  
4241 State Office Building  
Salt Lake City, Utah  
USA 84114

ATTENTION: Claudia Jones,  
Well Records Specialist

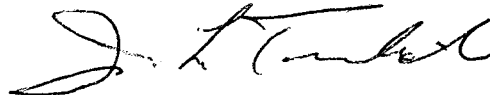
Gentlemen:

RE: Wilkins #1-24  
API #43-013-30320  
Sec. 24 T.1S. R.5W.  
Duchesne County, Utah

In reply to your letter of January 6, 1984 I am enclosing herewith updated "Sundry Notice" and "Recompletion Report" on the above captioned well.

Yours very truly,

A F E MANAGEMENT LIMITED



J. L. Tindale, P. Eng.  
Geologist

JLT:acp

Enclosures

**STATE OF UTAH**  
**DEPARTMENT OF NATURAL RESOURCES**  
**DIVISION OF OIL, GAS, AND MINING**

SUBMIT IN DUPLICATE\*  
 (See other instructions  
 on reverse side)

56 64 01

## WELL COMPLETION OR RECOMPLETION REPORT AND LOG \*

1a. TYPE OF WELL:				OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> DRY <input type="checkbox"/> Other _____		5. LEASE DESIGNATION AND SERIAL NO. API #43-013-30320	
b. TYPE OF COMPLETION:				NEW WELL <input type="checkbox"/> WORK OVER <input type="checkbox"/> DEEP-EN <input type="checkbox"/> PLUG BACK <input checked="" type="checkbox"/> DIFF. RESVR. <input type="checkbox"/> Other _____		6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
2. NAME OF OPERATOR AFE MANAGEMENT LIMITED						7. UNIT AGREEMENT NAME	
3. ADDRESS OF OPERATOR 208 - 372 BAY STREET, TORONTO, ONTARIO CANADA M5H 2W9						8. FARM OR LEASE NAME WILKINS	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface 927' FNL 1580FEL Sec. 24, T1S, Rge. 5W At top prod. interval reported below NW¼ NE¼ At total depth						9. WELL NO. 1-24A5	
14. PERMIT NO. _____ DATE ISSUED _____						10. FIELD AND POOL, OR WILDCAT ALTAMONT	
15. DATE SPUDDED 6/15/74 16. DATE T.D. REACHED 11/10/74 17. DATE COMPL. (Ready to prod.) 3/15/75 18. ELEVATIONS (DF, R&B, RT, GR, ETC.)* GR 6957						11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA Sec. 24, Twsp. 1S Rge. 5W, USM	
20. TOTAL DEPTH, MD & TVD 17020		21. PLUG, BACK T.D., MD & TVD 13101'		22. IF MULTIPLE COMPL., HOW MANY* _____		12. COUNTY OR PARISH DUCHESSNE	
23. INTERVALS DRILLED BY _____ ROTARY TOOLS _____ CABLE TOOLS _____						13. STATE UTAH	
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* _____						19. ELEV. CASINGHEAD	
26. TYPE ELECTRIC AND OTHER LOGS RUN _____						25. WAS DIRECTIONAL SURVEY MADE	
27. WAS WELL CORED _____							

28. CASING RECORD (Report all strings set in well)							
CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD		AMOUNT PULLED	

29. LINER RECORD					30. TUBING RECORD		
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)

31. PERFORATION RECORD (Interval, size and number)		ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.	
INTERVAL (MD)	SIZE	INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED

33.* PRODUCTION							
DATE FIRST PRODUCTION		PRODUCTION METHOD (Flow, lift, pumping—size and type of pump)				WELL STATUS (Producing or shut-in)	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
FLOW, TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)						TEST WITNESSED BY

35. LIST OF ATTACHMENTS Chronological report of workover procedures August 83 - Current	
--	--

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records		
SIGNED <u>J. L. Tondel</u>	TITLE <u>GEOLOGIST</u>	DATE <u>JAN. 25/84</u>

\*(See Instructions and Spaces for Additional Data on Reverse Side)



CHRONOLOGICAL REPORT OF WORKOVER PROGRAM ON THE WILKINS 1-24A5 WELL

Aug. 15-18/83 Fished tubing hanger, 208 stands 2 7/8" tubing, pump cavity and packer out of hole.

Aug. 19-22/83 Swabbed well down. Production coming from Wasatch with packer set at 13,035'. Production minimal.

Aug. 23/83 Run OWP CBL 13,300' to 10,000'. Perforate as follows:

12970 - 12976 (6')  
12804 - 12814 (10')  
12790 - 12796 (6')  
12696 - 12686 (10')  
12498 - 12502 (4')  
12350 - 12358 (8')

Total of 44' at 2 spf, 88 holes with 4" casing guns. Breakdown perfs. at 2400 to 1600 psi at 2 BPM with rig pump.

Aug. 24-25/83 Swabbed well down to 10,000'. Acidize with Halliburton, 3,000 gallons 12½% HCl Ave. displacement 4.1 BPM at 2200#. Swabbed back acid and flush.

Aug. 26-30/83 Cleaned well up with swab. Run 2 7/8" tubing, pump cavity, set packer at 12036 ft. Put well on pump. Release rig Aug. 30/83.

Sep. 1-13/83 Attempted to pump well. Would not pump. Swabbed well, recovered water, some oil. Suspect hole in casing.

Sep. 14-23/83 MIRU Service rig. Pressure test casing to 1000 psi - bled off rapidly. Hole between 8000 - 9000' in casing. Ran 2 3/8" side string with packer set at 12050'. Release rig. Put well on pump.

Sep. 24-30/83 Cannot precover oil or pump well properly. Expect packer leak.

Oct. 1- 7/83 MIRU Service rig. Pull tubing. Set bridge plug at 13,101'. Ran new packer, tubing, sidestring in hole. Set packer at 12,068'. Swabbed well to clean up. Place well on pump.

Oct. 7-Nov. 7 Pumped well intermittently. Made approximately 720 B.O.

Nov. 8-13/83 MIRU Swab rig. Swabbed down to 10,000', well making less than 2 bbls/hr. Flushed perfs with 485 gals. acetic acid mixed with 441 bbls. formation water at 5 BPM, 1700# pressure. Swabbed well to 10,000'. Place well on pump.

Nov. 14-16/83 Well would not produce on pump.

Nov. 17-Dec. 9 Well Shut in.

Dec. 10/83 Perforate with OWP as follows:

12321 - 25 (4')  
12387 - 91 (4')  
12520 - 24 (4')  
12542 - 48 (6')  
12595 - 601 (6')  
12637 - 43 (6')

Total 30' at 2 spf. with 2" tubing guns. All shots correlate with Mapco FDL-CNL, Sept. 1974.

Dec. 11-12/83 Swab well down, rec. 30 bbls. oil.

Dec. 13/83 Acidize with Nowsco, 6500 gals. 7½% HCl, 200 ball sealers, flush with 43 bbls. fm. water. Ave. rate 4.3 bpm, 1900 psi.

Dec. 14-20/83 Swabbed back well. Established rate of 2-3 bbls of oil per day inflow. Not considered economic. Plan for rework up hole after New Year. Shut well in.

Dec 21-Jan 25/84 Well shut in, W.O. workover program.

**STATE OF UTAH**  
**DEPARTMENT OF NATURAL RESOURCES**  
**DIVISION OF OIL, GAS, AND MINING**

PRINT IN TRIPLICATE\*  
 (other instructions on  
 reverse side)

## SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.  
 Use "APPLICATION FOR PERMIT—" for such proposals.)

<b>1. OIL WELL</b> <input checked="" type="checkbox"/> <b>GAS WELL</b> <input type="checkbox"/> <b>OTHER</b> <input type="checkbox"/>		<b>5. LEASE DESIGNATION AND SERIAL NO.</b> API #43-013-30320	
<b>2. NAME OF OPERATOR</b> AFE MANAGEMENT LIMITED		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME</b>	
<b>3. ADDRESS OF OPERATOR</b> SUITE 208, 372 BAY STREET, TORONTO, ONTARIO CANADA M5H 2W9		<b>7. UNIT AGREEMENT NAME</b>	
<b>4. LOCATION OF WELL</b> (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface  920'FNL, 1580'FEL being the NW4NE4 Sec. 24 T1S R5W		<b>8. FARM OR LEASE NAME</b> WILKINS	
<b>14. PERMIT NO.</b>		<b>15. ELEVATIONS</b> (Show whether DF, RT, GR, etc.) GR 6957	
<b>9. WELL NO.</b> WILKINS 1-24		<b>10. FIELD AND POOL, OR WILDCAT</b> ALTAMONT	
<b>11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA</b> Sec. 24, Twsp. 1s Rge. 5W USM		<b>12. COUNTY OR PARISH</b> <b>13. STATE</b> DUCHESNE UTAH	

**16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data**

**NOTICE OF INTENTION TO:**

TEST WATER SHUT-OFF ☐FRACTURE TREAT ☐SHOOT OR ACIDIZE ☐REPAIR WELL ☐(Other) ☐PULL OR ALTER CASING ☐MULTIPLE COMPLETE ☐ABANDON\* ☐CHANGE PLANS ☐

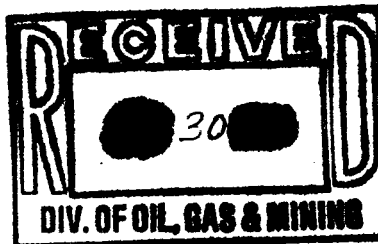
**SUBSEQUENT REPORT OF:**

WATER SHUT-OFF ☐FRACTURE TREATMENT ☐SHOOTING OR ACIDIZING ☐(Other) ☐REPAIRING WELL ☐ALTERING CASING ☐ABANDONMENT\* ☐

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

**17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS** (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Well is presently shut in. Propose running suite of logs with Dresser Atlas to determine further zones to perforate and complete. Program to commence during February 1984.



**18. I hereby certify that the foregoing is true and correct**

SIGNED

TITLE

GEOLOGIST

DATE

JAN. 24/84

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

**SUNDRY NOTICES AND REPORTS ON WELLS**

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil ☒ well ☐ gas well ☐ other

2. NAME OF OPERATOR

AFF Management Inc.

3. ADDRESS OF OPERATOR

372 Bay Street, Suite 208, Toronto, Ontario

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)

AT SURFACE: 920' FNL, 1580' FEL, Section 24

AT TOP PROD. INTERVAL:

AT TOTAL DEPTH:

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:

SUBSEQUENT REPORT OF:

TEST WATER SHUT-OFF ☐  
FRACTURE TREAT ☐  
SHOOT OR ACIDIZE ☒  
REPAIR WELL ☐  
PULL OR ALTER CASING ☐  
MULTIPLE COMPLETE ☐  
CHANGE ZONES ☐  
ABANDON\* ☐  
(other) ☐

☐  
☐  
☐  
☐  
☐  
☐  
☐  
☐  
☐

5. LEASE

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME  
Wilkins

9. WELL NO.  
1-24

10. FIELD OR WILDCAT NAME  
Altamont

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
Sec 24, T1S, R5W

12. COUNTY OR PARISH  
Duchesne

13. STATE  
Utah

14. API NO.

15. ELEVATIONS (SHOW DF, KDB, AND WD)  
6957' GR

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

DIVISION OF  
GEOLOGICAL SURVEY

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

The following intervals in the Green River formation will be perforated:

10,986' - 10,990' to 12,094' - 12,103'

A total of 103' will be perforated with 2 shots per foot.

Subsurface Safety Valve: Manu. and Type \_\_\_\_\_ Set @ \_\_\_\_\_ Ft.

18. I hereby certify that the foregoing is true and correct

SIGNED J. L. Tindale TITLE Geologist DATE 3-7-84

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY:

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS, AND MINING

SUBMIT IN TRIPPLICATE\*  
or instructions on  
reverse side)

# SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO.
2. NAME OF OPERATOR AFE Management Inc.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
3. ADDRESS OF OPERATOR 372 Bay Street, Suite 208, Toronto, Ontario, Canada M5H 2W9		7. UNIT AGREEMENT NAME
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 920' FNL, 1580' FEL, section 24		8. FARM OR LEASE NAME Wilkins
14. PERMIT NO. API 43-013-30320		9. WELL NO. 1-24
15. ELEVATIONS (Show whether DF, RT, CR, etc.)		10. FIELD AND POOL, OR WILDCAT Altamont
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA sec. 24, T1S, R5W
		12. COUNTY OR PARISH Duchesne
		13. STATE Utah

## 16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

### NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

☐  
☐  
☐  
☐  
☐

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

FULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON\*

CHANGE PLANS

☐  
☐  
☐  
☐  
☐

### SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

☐  
☐  
☒

REPAIRING WELL

ALTERING CASING

ABANDONMENT\*

☐  
☐  
☐  
☐

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

The intervals in the Green River Formation 10,986' to 12,103' were perforated using 4" casing guns, 2 shots per foot.

Well put back on production.

RECEIVED  
MAR 26 1984

DIVISION OF  
OIL, GAS & MINING

18. I hereby certify that the foregoing is true and correct

SIGNED

*[Signature]*

TITLE Agent for AFE Management

DATE 3-21-84

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

# A F E management limited

372 BAY STREET, SUITE 208,  
TORONTO, ONTARIO M5H 2W9  
(416) 366-4257

April 18, 1984

State of Utah Natural Resources  
Oil, Gas & Mining  
4241 State Office Building  
Salt Lake City, Utah 84114  
U.S.A.

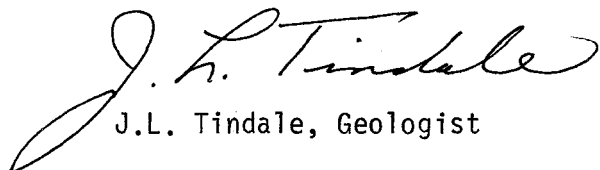
ATTENTION: CLAUDIA JONES, WELL RECORDS SPECIALIST

Gentlemen:

RE: WILKINS 1-24A5 Sec. 24, T1S R5W  
Duchesne County, Utah  
API #43-013-30320

Enclosed please find a Recompletion Report and copies of logs  
for the above captioned well for your files.

Yours very truly,



J.L. Tindale, Geologist

JLT:des  
Enclosures  
cc: K. Allen

RECEIVED

APR 18 1984

DIVISION OF OIL  
GAS & MINING

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS, AND MINING

## WELL COMPLETION OR RECOMPLETION REPORT AND LOG\*

1. TYPE OF WELL: OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> DRY <input type="checkbox"/> Other _____		7. UNIT AGREEMENT NAME _____																																					
2. TYPE OF COMPLETION: NEW WELL <input type="checkbox"/> WORK OVER <input checked="" type="checkbox"/> DEEP-EN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> DIFF. RESEV. <input type="checkbox"/> Other _____		8. FARM OR LEASE NAME WILKINS																																					
2. NAME OF OPERATOR AFE Management Limited		9. WELL NO. 1-24A5																																					
3. ADDRESS OF OPERATOR 372 Bay St., Suite 208, Toronto, Ontario		10. FIELD AND POOL, OR WILDCAT ALTAMONT																																					
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface 927'FNL 1580'FEL At top prod. interval reported below NW 1/4 NE 1/4 At total depth _____		11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA Sec. 24, T1S R5W USM																																					
14. PERMIT NO. 43-013-30320		12. COUNTY OR PARISH DUCHESNE																																					
15. DATE SPUDDED June 15/74		13. STATE UTAH																																					
16. DATE T.D. REACHED Nov. 10/74		18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* GR 6957																																					
17. DATE COMPL. (Ready to prod.) Mar. 15/84		19. ELEV. CASINGHEAD																																					
20. TOTAL DEPTH, MD & TVD 17,020'		21. PLUG, BACK T.D., MD & TVD 13,101'																																					
22. IF MULTIPLE COMPL., HOW MANY* _____		23. INTERVALS DRILLED BY _____																																					
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* 10,986-12,103 Green River Formation		25. WAS DIRECTIONAL SURVEY MADE NO																																					
26. TYPE ELECTRIC AND OTHER LOGS RUN Dresser Atlas Spec., C/O, NLL, Fraclog		27. WAS WELL CORED no																																					
28. CASING RECORD (Report all strings set in well)																																							
<table><tr><td>CASING SIZE</td><td>WEIGHT, LB./FT.</td><td>DEPTH SET (MD)</td><td>HOLE SIZE</td><td>CEMENTING RECORD</td><td>AMOUNT PULLED</td></tr><tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr></table>				CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED																														
CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED																																		
29. LINER RECORD																																							
<table><tr><td>SIZE</td><td>TOP (MD)</td><td>BOTTOM (MD)</td><td>SACKS CEMENT*</td><td>SCREEN (MD)</td></tr><tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr></table>				SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)																															
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)																																			
30. TUBING RECORD																																							
<table><tr><td>SIZE</td><td>DEPTH SET (MD)</td><td>PACKER SET (MD)</td></tr><tr><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td></tr></table>				SIZE	DEPTH SET (MD)	PACKER SET (MD)																																	
SIZE	DEPTH SET (MD)	PACKER SET (MD)																																					
31. PERFORATION RECORD (Interval, size and number) See attached																																							
32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.																																							
<table><tr><td>DEPTH INTERVAL (MD)</td><td>AMOUNT AND KIND OF MATERIAL USED</td></tr><tr><td> </td><td> </td></tr><tr><td> </td><td> </td></tr><tr><td> </td><td> </td></tr><tr><td> </td><td> </td></tr><tr><td> </td><td> </td></tr></table>				DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED																																		
DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED																																						
33. PRODUCTION																																							
<table><tr><td>DATE FIRST PRODUCTION Mar. 15/84</td><td>PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) hydraulic - National jet pump</td><td>WELL STATUS (Producing or shut-in) producing</td></tr><tr><td>DATE OF TEST Mar. 15/84</td><td>HOURS TESTED 114</td><td>CHOKE SIZE one inch</td></tr><tr><td>PROD'N. FOR TEST PERIOD →</td><td>OIL—BBL. 1,061</td><td>GAS—MCF.  </td></tr><tr><td>WATER—BBL. 114</td><td>GAS—OIL RATIO  </td><td> </td></tr><tr><td>FLOW. TUBING PRESS.</td><td>CASING PRESSURE</td><td>CALCULATED 24-HOUR RATE →</td></tr><tr><td>OIL—BBL. 223</td><td>GAS—MCF. N.R.</td><td>WATER—BBL. NIL</td></tr><tr><td>OIL GRAVITY-API (CORR.) 31</td><td> </td><td> </td></tr></table>				DATE FIRST PRODUCTION Mar. 15/84	PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) hydraulic - National jet pump	WELL STATUS (Producing or shut-in) producing	DATE OF TEST Mar. 15/84	HOURS TESTED 114	CHOKE SIZE one inch	PROD'N. FOR TEST PERIOD →	OIL—BBL. 1,061	GAS—MCF. 	WATER—BBL. 114	GAS—OIL RATIO 		FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE →	OIL—BBL. 223	GAS—MCF. N.R.	WATER—BBL. NIL	OIL GRAVITY-API (CORR.) 31																	
DATE FIRST PRODUCTION Mar. 15/84	PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) hydraulic - National jet pump	WELL STATUS (Producing or shut-in) producing																																					
DATE OF TEST Mar. 15/84	HOURS TESTED 114	CHOKE SIZE one inch																																					
PROD'N. FOR TEST PERIOD →	OIL—BBL. 1,061	GAS—MCF. 																																					
WATER—BBL. 114	GAS—OIL RATIO 																																						
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE →																																					
OIL—BBL. 223	GAS—MCF. N.R.	WATER—BBL. NIL																																					
OIL GRAVITY-API (CORR.) 31																																							
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Used for fuel - excess sold to Shell																																							
35. LIST OF ATTACHMENTS Chronological breakdown of completion procedure																																							
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records																																							
SIGNED <u>J.L. Findale</u> TITLE <u>Geologist</u> DATE <u>April 18/84</u>																																							

**\* (See Instructions and Spaces for Additional Data on Reverse Side)**

Recompletion Report on the Wilkins 1-24A5 Well  
Sec. 24, T1S R5W, Duchesne County, Utah

Mar 3-4/84 MIRU Western Rig #12. Pull 2-7/8" & 2-3/8" tubing.

Mar 5-7 Log interval 11,000' to 12,300' with Dresser Atlas: carbon/oxygen log, Spectralog, Fraclog, Neutron Lifetime Log.

Mar 8 Perforate with Oil Well Perforators: 4 runs with 4" casing guns:

12,094-12,103	9 feet	11,498-11,502	4 feet
12,006-12,010	4	11,481-11,488	7
11,979-11,982	3	11,394-11,401	7
11,969-11,973	4	11,099-11,109	10
11,892-11,900	8	11,056-11,066	10
11,887-11,890	3	11,039-11,046	7
11,818-11,822	4	11,010-11,014	4
11,808-11,811	3	10,998-11,002	4
11,710-11,715	5	10,986-10,990	4
11,584-11,587	3	Total 103' @ 2SPF = 206 holes	

Mar 9 Isolate zone 11,221 to 10,917 with plug and packer. Swabbed 70 bbls fluid, 20% oil. Move plug 11,863, packer 11,321. Swabbed 85 bbls, 30% oil.

Mar 10 Flowed well back 2 hours, 27 bbls oil. Swabbed 18 bbls oil. Killed well. Move plug to 12,155, packer to 11,853. Swabbed 105 bbls, 50% oil.

Mar 11 Flowed well back one hour, 6 bbls oil. Moved plug to 11,221, packer to 10,900. Swabbed 100 bbls fluid, 60% oil.

Mar 12,13 Well flowed at 6 bbls/hr. Kill well. POOH. RIH with packer, dual string pump cavity, 2-7/8" tubing, set packer @ 10,898'. Run 2-3/8" side string. Circulate hole with triplex.

Mar 14,15 Release Western Rig #12. Drop bottom hole jet pump. Produced 276 bbls fluid in 18 hrs, 162 oil, 114 water. Well on production 2:00 pm March 15, 1984.

Mar 16-19 4 days pumping made 899 bbls oil. average 225 bbls/day. No water.



A.F.E. MANAGEMENT----WILLKENS 1-24 CHES DCC2591  
 ALTAMONT----24-1S-5W----DUCHESNE COUNTY, UTAH

DEPTH	COMP	POROSITY	SATURATIONS		SHALE	SILICON	CARBON
	CN	%	WATER-NLL	WATER-C/O	VOLUME	CALCIUM	OXYGEN
	%		%	%	%	RATIO	RATIO
11000	11.1	6.1	0.0	64.5	25.9	1.02	1.52
11001	9.0	4.3	0.0	61.8	27.2	1.02	1.52
11002	7.1	3.4	100.0	68.2	24.5	1.03	1.50
11003	12.6	4.8	100.0	70.3	33.3	1.04	1.50
11004	15.2	8.8	100.0	53.8	19.0	1.02	1.53
11005	15.7	10.2	71.2	55.8	19.4	1.04	1.52
11006	13.6	6.5	100.0	79.9	34.8	1.03	1.50
11007	12.6	5.2	100.0	75.4	37.5	1.03	1.51
11008	17.7	3.1	100.0	92.6	47.9	1.04	1.50
11009	19.0	12.9	74.7	52.5	21.4	1.05	1.52
11010	20.5	14.2	30.1	76.0	17.8	1.05	1.49
11011	14.7	9.3	16.5	84.1	19.1	1.04	1.49
11012	9.6	4.0	0.0	71.8	26.3	1.01	1.52
11013	6.4	1.8	0.0	100.0	29.1	1.02	1.49
11014	5.2	2.4	100.0	100.0	32.3	1.05	1.48
11015	9.6	6.7	100.0	64.0	20.1	1.03	1.51
11016	13.0	8.2	100.0	61.8	25.2	1.04	1.51
11019	15.3	10.1	98.4	64.4	23.5	1.05	1.51
11020	13.8	8.9	100.0	55.2	18.4	1.04	1.52
11021	14.6	8.2	57.2	50.3	22.7	1.04	1.52
11024	8.8	2.2	100.0	100.0	39.7	1.04	1.52
11025	13.1	6.5	52.1	50.2	22.9	1.05	1.51
11026	9.4	5.4	28.6	52.9	14.6	1.07	1.48
11027	7.4	4.8	0.0	49.9	12.5	1.06	1.48
11028	5.8	3.8	0.0	0.0	13.7	1.04	1.53
11029	5.2	1.6	0.0	100.0	26.4	1.04	1.53
11030	5.6	2.9	100.0	100.0	28.7	1.05	1.52
11031	8.9	3.6	100.0	43.8	32.3	1.02	1.54
11032	15.2	8.3	99.8	49.8	25.1	1.02	1.54
11033	18.0	12.7	88.2	66.2	11.2	1.00	1.54
11034	17.5	10.4	79.8	57.0	22.9	1.01	1.54
11035	16.4	8.6	100.0	45.8	28.9	1.04	1.54
11036	16.0	9.2	100.0	52.0	23.1	1.07	1.50
11037	17.7	12.4	100.0	70.6	12.8	1.08	1.47
11038	18.9	13.3	30.0	75.3	8.3	1.06	1.48
11039	17.2	12.2	0.0	82.5	14.3	1.05	1.48
11040	7.2	6.2	38.1	62.9	16.6	1.05	1.49
11041	5.5	6.9	60.5	30.8	7.5	1.04	1.51
11042	5.1	6.3	55.3	0.0	3.9	1.03	1.53
11043	3.9	4.6	42.7	0.0	6.9	1.04	1.53
11044	3.2	2.3	26.4	100.0	14.9	1.04	1.51
11045	3.8	1.1	0.0	100.0	18.0	1.02	1.55
11046	4.7	0.7	100.0	100.0	19.9	1.03	1.54
11047	6.1	4.0	100.0	31.6	20.0	1.02	1.53
11048	9.5	3.8	100.0	34.7	31.1	1.00	1.56
11049	12.7	5.3	100.0	10.7	29.0	1.03	1.57
11050	15.6	7.5	83.5	50.8	26.4	1.00	1.55
11051	16.9	8.2	62.4	85.5	29.5	0.98	1.53

A.F.E. MANAGEMENT----WILLKENS 1-24 CHES DCC2591  
 ALTAMONT----24-1S-5W----DUCHESNE COUNTY, UTAH

DEPTH	COMP	POROSITY	SATURATIONS		SHALE	SILICON	CARBON
	CN	%	WATER-NLL	WATER-C/O	VOLUME	CALCIUM	OXYGEN
	%		%	%	%	RATIO	RATIO
11052	16.7	7.0	68.6	78.7	37.3	1.01	1.52
11053	17.6	10.5	100.0	59.0	21.2	1.05	1.51
11054	20.3	14.2	100.0	53.9	11.1	1.03	1.53
11055	21.9	16.3	31.5	73.4	6.1	1.00	1.53
11056	14.8	13.4	21.0	53.1	1.8	1.01	1.54
11057	9.2	8.4	27.8	6.0	3.6	1.01	1.55
11058	8.0	6.6	12.5	0.0	7.1	1.01	1.56
11059	9.2	6.4	19.7	0.0	9.6	0.99	1.58
11060	9.3	8.5	38.9	20.6	3.5	0.99	1.56
11061	8.6	7.9	14.0	26.1	5.9	0.99	1.56
11062	7.3	6.0	10.2	0.0	12.1	1.01	1.56
11063	8.4	5.8	0.0	45.8	18.3	1.03	1.52
11064	6.5	6.4	36.8	32.1	11.9	1.04	1.52
11065	5.5	5.1	70.6	41.7	12.5	1.02	1.52
11066	5.4	2.1	100.0	100.0	26.3	1.03	1.53
11067	9.8	3.4	100.0	17.1	26.3	1.02	1.55
11068	12.3	5.1	100.0	31.5	22.3	1.01	1.55
11069	15.3	8.8	100.0	28.6	17.7	1.04	1.54
11070	19.7	12.5	100.0	65.2	13.7	1.04	1.50
11071	24.0	13.4	55.9	73.3	28.2	1.03	1.52
11072	19.6	10.0	26.9	66.1	36.5	1.03	1.53
11073	17.0	9.6	80.6	78.1	27.8	1.03	1.50
11074	16.3	11.2	36.8	67.9	23.3	1.02	1.53
11075	14.7	9.1	5.5	64.3	20.3	1.02	1.52
11076	6.3	3.3	54.8	31.1	22.1	1.01	1.55
11077	3.0	2.5	100.0	100.0	11.9	1.02	1.54
11078	10.4	6.3	76.5	39.7	14.3	1.01	1.54
11079	8.7	2.6	100.0	100.0	28.5	1.00	1.53
11080	7.3	0.0	100.0	100.0	45.7	0.99	1.55
11081	9.9	1.4	100.0	100.0	36.7	1.03	1.51
11082	16.9	8.9	100.0	100.0	21.6	0.99	1.50
11083	19.5	10.7	100.0	90.1	20.2	0.97	1.54
11084	21.8	14.7	95.6	77.3	11.8	0.95	1.57
11085	23.8	17.3	49.1	100.0	6.7	0.94	1.54
11086	20.2	16.6	28.2	100.0	8.8	0.94	1.53
11087	17.8	12.2	43.1	100.0	18.4	0.96	1.53
11088	12.0	4.6	100.0	100.0	30.9	0.97	1.51
11089	15.0	2.1	100.0	100.0	46.4	1.01	1.47
11090	23.0	11.5	100.0	100.0	26.5	1.02	1.46
11091	26.2	11.2	97.8	82.1	28.8	1.02	1.51
11092	22.7	14.3	49.5	58.6	24.5	1.03	1.54
11093	17.8	10.5	85.4	61.4	32.0	1.03	1.53
11094	15.5	9.8	100.0	71.7	20.0	1.02	1.52
11095	20.2	12.6	64.6	69.6	22.7	1.00	1.54
11096	18.8	12.2	67.2	52.0	22.6	1.00	1.56
11097	16.0	10.9	100.0	19.3	12.3	0.98	1.60
11098	17.0	12.4	61.1	25.4	11.3	0.96	1.61
11099	16.1	9.3	18.1	38.9	22.2	0.98	1.58
11100	13.6	9.8	67.9	14.3	3.2	0.98	1.58
11101	10.8	8.0	64.4	15.0	0	0.98	1.56

A.F.E. MANAGEMENT----WILLKENS 1-24 CHES DCC2591  
 ALTAMONT----24-1S-5W----DUCHESE COUNTY, UTAH

DEPTH	COMP	POROSITY	SATURATIONS		SHALE	SILICON	CARBON
	CN	%	WATER-NLL	WATER-C/O	VOLUME	CALCIUM	OXYGEN
	%		%	%	%	RATIO	RATIO
11102	13.1	10.0	21.4	21.3	0.6	0.97	1.57
11103	11.7	9.7	22.2	23.0	1.4	0.95	1.59
11104	9.6	7.8	14.7	42.1	6.3	0.95	1.58
11105	7.8	6.3	26.4	0.0	3.9	0.97	1.59
11106	7.0	4.8	49.1	0.0	4.0	0.98	1.57
11107	7.7	5.5	22.6	63.2	9.2	0.99	1.53
11108	8.7	5.4	89.1	28.6	11.5	0.99	1.55
11109	7.8	4.8	100.0	29.1	11.2	0.98	1.56
11110	6.9	4.0	100.0	16.9	15.4	0.97	1.58
11111	8.5	5.2	100.0	23.8	14.3	0.98	1.56
11112	12.3	5.9	100.0	53.6	18.3	0.98	1.55
11113	14.8	8.9	100.0	76.6	12.9	0.99	1.53
11114	19.6	12.4	100.0	78.4	13.7	0.98	1.54
11115	25.0	13.5	91.2	64.4	30.1	1.02	1.55
11116	30.0	18.5	93.0	69.6	24.2	1.03	1.53
11117	31.7	20.6	83.0	90.1	20.6	1.00	1.52
11118	27.7	9.4	100.0	90.9	40.4	0.99	1.55
11119	25.5	15.6	46.9	90.4	36.1	1.02	1.51
11120	20.3	13.9	100.0	80.7	18.7	1.01	1.52
11121	18.9	15.0	100.0	85.6	4.6	0.98	1.53
11122	23.1	15.1	57.5	89.7	25.6	0.98	1.53
11123	19.2	9.7	69.3	68.9	34.0	0.98	1.56
11124	12.0	6.5	100.0	60.2	18.0	1.00	1.54
11125	16.3	7.2	100.0	61.7	21.5	1.00	1.54
11126	19.8	9.4	100.0	69.5	28.0	0.99	1.55
11127	23.6	13.1	100.0	77.8	25.7	0.98	1.55
11128	31.0	17.6	93.0	75.2	29.2	0.99	1.56
11129	30.7	19.5	86.3	64.6	25.3	1.02	1.55
11130	29.1	20.9	97.0	75.9	12.3	1.03	1.52
11131	30.7	21.0	75.7	83.4	12.8	1.00	1.53
11132	23.3	15.8	79.0	79.8	17.1	1.00	1.53
11133	19.3	13.2	100.0	85.9	18.1	0.98	1.53
11134	20.5	4.8	100.0	89.7	40.7	1.02	1.53
11135	24.8	10.6	100.0	71.6	35.7	1.03	1.52
11136	28.7	17.4	100.0	93.1	38.0	0.99	1.52
11138	29.4	16.9	100.0	97.4	32.6	1.00	1.51
11139	28.1	15.7	100.0	96.3	35.1	0.99	1.52
11140	29.2	8.7	100.0	93.6	40.1	0.99	1.54
11141	28.1	14.5	100.0	77.1	39.5	1.01	1.54
11142	30.2	17.1	100.0	94.3	35.3	1.00	1.51
11143	29.6	19.3	100.0	79.7	16.3	1.01	1.53
11144	26.4	14.9	74.1	86.3	30.9	0.99	1.53
11145	17.5	8.8	100.0	98.5	24.1	0.98	1.52
11146	14.9	6.0	100.0	77.7	26.2	0.98	1.53
11147	13.0	7.6	100.0	80.8	19.0	0.98	1.54
11148	11.0	4.8	100.0	100.0	27.1	0.98	1.52
11150	19.2	6.7	100.0	83.3	34.0	0.99	1.53
11151	22.1	14.3	100.0	82.9	14.8	0.99	1.53



A.F.E. MANAGEMENT----WILLKENS 1-24 CHES DCC2591  
 ALTAMONT----24-1S-5W----DUCHESNE COUNTY, UTAH

DEPTH	COMP	POROSITY	SATURATIONS		SHALE	SILICON	CARBON
	CN	%	WATER-NLL	WATER-C/O	VOLUME	CALCIUM	OXYGEN
	%		%	%	%	RATIO	RATIO
11152	19.8	4.8	100.0	96.8	40.8	1.00	1.52
11153	17.8	7.7	100.0	85.7	36.6	1.01	1.51
11154	19.2	11.3	100.0	58.7	17.7	0.99	1.56
11155	17.6	8.7	100.0	74.1	29.6	1.00	1.54
11156	18.7	10.9	100.0	69.7	19.1	1.01	1.53
11157	20.0	10.8	100.0	69.8	26.0	0.99	1.54
11158	20.0	10.7	100.0	82.2	24.6	0.99	1.53
11159	19.3	11.2	100.0	74.1	24.5	0.98	1.55
11160	17.9	4.2	100.0	90.2	40.1	0.96	1.58
11161	21.7	10.8	100.0	67.6	26.4	0.96	1.57
11162	24.6	15.3	100.0	90.0	18.9	0.98	1.53
11163	25.8	16.7	100.0	69.7	16.7	1.01	1.54
11164	26.1	18.3	95.6	52.8	11.6	1.01	1.56
11165	25.1	18.3	79.6	49.5	10.1	1.02	1.56
11166	23.9	16.3	61.9	65.1	21.5	1.01	1.54
11167	23.2	13.5	58.2	75.8	32.8	1.02	1.53
11168	23.4	6.8	100.0	85.1	42.1	1.02	1.55
11169	22.8	15.5	62.1	55.6	18.3	1.02	1.54
11170	20.7	12.2	53.6	73.8	30.3	1.03	1.52
11171	19.4	11.7	70.3	77.5	30.0	1.04	1.50
11172	17.5	10.4	76.7	61.9	29.5	1.05	1.51
11173	13.7	6.1	95.2	51.4	33.3	1.06	1.51
11174	12.1	8.4	100.0	25.4	11.8	1.07	1.51
11175	9.2	8.7	80.2	29.5	6.8	1.07	1.49
11176	6.1	7.4	58.2	2.8	6.4	1.08	1.50
11177	4.6	6.1	15.3	0.0	13.4	1.06	1.53
11178	3.5	3.4	0.0	17.9	22.7	1.03	1.54
11179	5.1	5.5	61.7	32.5	11.7	1.01	1.53
11180	8.1	5.3	100.0	17.8	6.8	1.02	1.53
11181	9.8	3.1	100.0	34.3	21.8	1.01	1.54
11182	14.5	6.5	62.1	53.4	23.8	1.02	1.53
11183	16.8	6.2	72.4	56.7	33.4	1.04	1.52
11184	19.6	9.6	75.0	70.1	34.4	1.04	1.51
11185	20.6	11.3	100.0	70.9	28.5	1.06	1.49
11186	23.5	6.3	100.0	91.8	41.9	1.04	1.50
11188	23.8	11.5	100.0	76.8	38.3	1.02	1.52
11192	20.3	11.6	59.6	100.0	35.9	1.02	1.47
11193	20.1	12.6	34.1	89.4	29.3	1.02	1.50
11194	16.1	14.1	46.3	93.2	18.9	1.02	1.50
11195	11.1	12.3	47.5	96.0	13.8	1.03	1.48
11196	7.3	6.7	100.0	97.7	14.5	1.05	1.46
11197	9.7	4.6	100.0	96.8	26.1	1.06	1.46
11198	13.3	9.1	64.1	89.9	20.8	1.03	1.48
11199	9.1	3.6	100.0	62.4	20.8	1.03	1.51
11200	5.6	5.0	94.3	91.0	13.2	1.03	1.48
11201	3.3	3.7	100.0	90.1	15.9	1.05	1.47
11202	8.3	3.5	100.0	58.0	31.5	1.05	1.50
11203	9.5	5.1	100.0	21.0	15.0	1.03	1.53

A.F.E. MANAGEMENT----WILLKENS 1-24 CHES DCC2591  
 ALTAMONT----24-1S-5W----DUCHESE COUNTY, UTAH

DEPTH	COMP CN %	POROSITY %	SATURATIONS		SHALE VOLUME %	SILICON CALCIUM RATIO	CARBON OXYGEN RATIO
			WATER-NLL %	WATER-C/O %			
11204	7.0	3.8	100.0	32.6	12.9	1.03	1.51
11205	6.4	5.0	100.0	100.0	17.5	1.03	1.46
11206	8.9	4.3	100.0	97.5	28.1	1.03	1.47
11207	10.7	4.8	100.0	64.7	26.0	1.04	1.50
11208	15.1	9.0	77.6	63.5	12.7	1.04	1.50
11209	17.8	11.2	100.0	70.0	11.9	1.02	1.51
11210	16.0	7.3	100.0	68.0	31.3	1.00	1.54
11211	13.4	7.7	100.0	78.1	19.5	1.02	1.51
11212	10.4	9.1	74.1	100.0	7.3	1.02	1.47
11213	6.3	8.1	100.0	100.0	5.2	1.02	1.48
11214	9.6	6.5	100.0	70.6	9.5	1.00	1.52
11215	13.8	7.0	100.0	74.0	15.8	1.02	1.51
11216	16.4	7.2	100.0	73.3	21.3	1.01	1.52
11217	21.6	10.1	100.0	79.6	22.9	1.02	1.51
11220	25.0	12.8	100.0	83.2	35.1	1.03	1.50
11221	26.3	16.8	100.0	86.8	20.6	0.99	1.53
11222	26.6	14.5	100.0	90.9	26.9	1.01	1.50
11223	27.5	15.0	91.2	82.5	38.2	1.01	1.52
11225	27.9	15.1	71.3	64.7	38.8	1.03	1.55
11226	26.2	17.6	84.7	61.7	20.3	1.03	1.54
11227	24.8	17.1	82.9	91.8	19.7	0.99	1.52
11228	22.8	15.7	56.6	98.6	24.8	1.00	1.50
11229	21.6	15.6	82.2	100.0	22.5	1.00	1.50
11230	29.0	19.5	97.9	100.0	24.3	1.00	1.47
11232	32.8	7.9	100.0	92.4	46.9	1.01	1.49
11233	33.5	8.4	100.0	96.8	46.2	1.00	1.48
11234	33.5	19.9	87.7	100.0	37.5	1.00	1.44
11235	33.0	21.3	88.5	100.0	31.0	1.01	1.45
11236	31.9	8.8	100.0	97.4	44.6	1.01	1.46
11239	28.3	17.8	22.3	60.9	27.2	1.03	1.50
11240	21.2	15.7	25.7	69.7	14.0	1.00	1.50
11241	22.0	14.7	95.9	72.8	13.3	0.99	1.50
11242	31.0	19.5	90.3	80.5	34.1	1.00	1.50
11243	31.6	20.1	93.7	77.7	27.6	1.00	1.51
11244	30.4	21.4	81.8	75.9	22.5	0.98	1.52
11245	29.4	21.0	100.0	57.0	13.2	0.99	1.54
11246	29.2	18.1	87.9	63.2	30.2	1.03	1.51
11247	28.4	8.4	100.0	87.7	41.4	1.02	1.50
11248	26.9	15.3	100.0	72.9	34.6	1.00	1.51
11249	22.7	14.9	100.0	76.9	25.9	0.98	1.51
11250	26.2	13.6	88.4	69.9	36.2	0.99	1.52
11251	22.9	17.5	100.0	70.5	15.0	0.99	1.51
11252	21.3	14.9	100.0	64.8	22.1	0.99	1.52
11253	21.6	12.6	100.0	70.6	28.5	0.99	1.51
11254	24.8	15.0	78.4	65.2	31.7	1.01	1.51
11255	28.5	15.1	75.3	76.1	31.1	1.00	1.50

A.F.E. MANAGEMENT-----WILLKENS 1-24 CHES DCC2591  
 ALTAMONT-----24-1S-5W-----DUCHESE COUNTY, UTAH

DEPTH	COMP	POROSITY	SATURATIONS		SHALE	SILICON	CARBON
	CN	%	WATER-NLL	WATER-C/O	VOLUME	CALCIUM	OXYGEN
	%		%	%	%	RATIO	RATIO
11256	25.2	15.0	100.0	85.4	25.5	1.01	1.47
11257	23.6	14.7	100.0	88.9	17.1	1.01	1.46
11258	25.8	13.9	83.7	92.1	24.1	0.99	1.48
11259	30.8	18.3	67.9	80.3	34.0	1.01	1.49
11260	31.6	17.6	80.0	77.1	38.1	1.01	1.50
11261	32.1	21.5	97.0	79.0	18.4	1.00	1.50
11262	32.1	19.0	89.3	83.5	38.1	1.01	1.49
11263	32.0	21.1	100.0	73.3	18.4	1.00	1.51
11264	31.1	10.5	100.0	93.0	40.8	1.00	1.49
11265	28.1	17.9	100.0	80.9	33.4	0.98	1.51
11266	21.9	15.6	100.0	85.1	21.2	0.99	1.49
11267	12.7	2.8	100.0	100.0	43.5	1.00	1.48
11268	7.2	3.0	100.0	100.0	34.5	1.01	1.47
11269	9.1	6.6	76.7	72.9	12.9	1.03	1.45
11270	12.4	10.1	54.0	90.4	8.1	1.03	1.44
11271	24.4	17.6	15.3	67.9	12.6	1.00	1.51
11272	30.1	22.2	29.8	74.2	5.7	0.95	1.54
11273	31.2	22.2	63.9	89.9	9.4	0.97	1.50
11274	31.7	10.1	100.0	92.2	40.9	1.01	1.49
11275	32.2	6.5	100.0	96.3	49.7	0.98	1.50
11276	32.4	19.2	100.0	100.0	33.2	0.97	1.48
11278	32.4	21.4	100.0	93.1	20.1	1.00	1.48
11279	32.1	21.0	100.0	97.6	20.9	0.99	1.47
11280	31.5	20.8	97.8	100.0	19.2	0.98	1.47
11281	28.7	17.4	100.0	92.7	27.9	0.99	1.48
11282	24.3	12.4	100.0	60.6	29.1	0.98	1.53
11283	23.1	13.6	81.7	32.6	16.5	0.99	1.56
11284	16.3	11.6	100.0	21.8	14.3	0.99	1.55
11285	10.5	6.1	100.0	36.0	34.0	1.03	1.51
11286	6.8	2.8	100.0	100.0	21.2	1.01	1.50
11287	9.5	4.1	100.0	9.7	17.7	1.03	1.50
11288	16.7	8.6	28.4	61.6	20.0	1.02	1.48
11289	23.6	15.6	26.4	68.6	13.2	1.00	1.50
11290	23.4	14.4	54.1	79.5	26.7	0.99	1.50
11291	21.5	5.3	100.0	91.6	46.2	0.99	1.51
11292	19.7	15.1	79.1	68.7	17.9	1.01	1.50
11293	29.0	21.3	46.4	80.9	11.6	1.00	1.49
11294	30.1	21.4	67.7	93.1	14.8	0.99	1.48
11295	31.0	9.1	100.0	100.0	43.3	0.99	1.46
11298	32.9	18.6	100.0	99.5	40.0	0.99	1.47
11299	33.0	21.2	100.0	100.0	25.4	1.01	1.45
11300	32.9	20.6	100.0	95.7	28.6	1.01	1.46
11301	32.8	20.9	100.0	98.9	26.3	1.01	1.45
11302	32.5	20.6	85.5	100.0	27.2	0.99	1.45
11303	32.1	19.6	90.3	99.8	32.0	0.99	1.47
11308	26.9	13.8	85.5	88.8	39.3	0.99	1.49
11309	26.3	15.5	100.0	81.3	26	1.00	1.49



A.F.E. MANAGEMENT----WILLKENS 1-24 CHES DCC2591  
 ALTAMONT----24-1S-5W----DUCHESNE COUNTY, UTAH

DEPTH	COMP CN %	POROSITY %	SATURATIONS		SHALE VOLUME %	SILICON CALCIUM RATIO	CARBON OXYGEN RATIO
			WATER-NLL %	WATER-C/O %			
11310	24.8	13.2	100.0	54.8	37.6	1.01	1.53
11311	22.6	14.4	100.0	61.4	32.1	0.99	1.54
11313	29.6	6.4	100.0	91.5	48.9	1.02	1.49
11314	26.4	16.1	100.0	80.9	37.2	1.03	1.47
11315	28.9	19.8	51.6	80.3	22.4	1.02	1.48
11316	31.2	20.0	37.6	88.5	27.8	0.99	1.49
11317	31.4	22.3	77.3	100.0	14.6	0.97	1.48
11318	31.5	21.7	100.0	100.0	17.9	0.97	1.47
11319	31.5	17.9	100.0	100.0	39.8	0.98	1.47
11321	31.5	10.4	100.0	100.0	40.4	0.96	1.48
11322	31.6	18.3	100.0	100.0	36.3	0.99	1.45
11323	31.6	19.7	100.0	97.6	27.7	1.01	1.45
11324	31.6	6.9	100.0	99.7	48.6	1.01	1.45
11326	31.7	18.6	100.0	100.0	34.3	1.00	1.45
11328	31.8	19.6	98.0	94.2	29.7	0.99	1.48
11329	31.8	20.3	100.0	98.8	25.8	1.02	1.45
11330	31.8	20.3	100.0	100.0	26.5	1.01	1.44
11331	31.8	19.4	100.0	96.9	32.4	1.00	1.47
11332	31.8	9.8	100.0	98.7	42.3	1.00	1.46
11333	31.8	20.5	100.0	100.0	26.0	1.00	1.45
11334	31.8	18.1	100.0	100.0	40.0	0.97	1.45
11335	31.8	18.7	100.0	100.0	36.4	0.98	1.44
11336	31.8	18.9	100.0	100.0	34.9	0.99	1.45
11337	31.9	18.5	100.0	95.9	37.6	1.01	1.46
11338	31.9	19.6	100.0	100.0	30.2	1.01	1.45
11339	31.9	19.4	100.0	100.0	31.1	1.01	1.45
11340	31.9	18.2	100.0	95.5	38.6	1.01	1.46
11341	31.9	18.7	100.0	98.9	36.8	0.99	1.47
11342	31.9	18.4	100.0	93.8	36.8	1.01	1.47
11343	32.0	18.7	100.0	99.9	34.4	1.00	1.46
11344	32.0	8.0	100.0	99.9	45.8	0.99	1.47
11348	31.5	18.0	100.0	100.0	37.7	0.99	1.46
11351	30.7	7.2	100.0	100.0	46.8	0.98	1.45
11353	24.6	5.0	100.0	96.4	48.4	1.02	1.50
11359	14.9	5.4	41.5	75.0	36.2	1.00	1.53
11360	15.3	9.5	68.7	77.0	21.2	0.98	1.54
11361	24.6	12.0	69.7	96.9	38.2	0.99	1.51
11363	21.0	14.7	100.0	68.7	16.2	1.02	1.53
11364	20.5	11.0	100.0	77.2	28.3	1.00	1.53
11365	21.6	6.2	100.0	95.3	42.9	0.99	1.53
11366	22.0	14.1	89.7	94.1	27.6	1.01	1.50

A.F.E. MANAGEMENT----WILLKENS 1-24 CHES DCC2591  
 ALTAMONT----24-1S-5W----DUCHESNE COUNTY, UTAH

DEPTH	COMP	POROSITY	SATURATIONS		SHALE	SILICON	CARBON
	CN	%	WATER-NLL	WATER-C/O	VOLUME	CALCIUM	OXYGEN
	%		%	%	%	RATIO	RATIO
11367	25.9	14.4	69.4	80.1	39.3	1.04	1.51
11368	30.5	8.1	100.0	92.7	44.4	1.05	1.50
11369	28.9	18.8	70.6	85.5	20.4	1.02	1.51
11370	15.6	8.5	90.3	67.4	28.1	1.00	1.54
11371	11.6	5.9	100.0	61.4	32.6	1.03	1.52
11372	6.4	4.3	100.0	26.1	15.2	1.02	1.53
11373	2.9	3.3	100.0	3.6	5.6	1.02	1.51
11374	6.1	4.8	100.0	96.6	8.8	1.01	1.49
11375	12.3	8.3	76.5	100.0	9.8	1.02	1.46
11376	14.2	8.7	100.0	100.0	16.5	1.00	1.50
11377	22.5	13.4	100.0	69.3	15.1	1.01	1.53
11378	26.4	16.4	100.0	78.8	13.1	1.00	1.53
11379	25.7	18.2	89.5	79.8	15.7	0.99	1.54
11380	25.1	17.9	100.0	79.8	11.2	1.01	1.52
11381	26.3	17.0	100.0	84.6	20.4	1.00	1.53
11382	27.3	15.9	94.4	91.1	34.9	1.02	1.50
11383	18.9	13.6	76.3	78.2	28.1	1.02	1.52
11384	9.3	6.9	65.7	57.0	29.6	1.01	1.54
11385	6.4	4.3	25.2	66.5	25.9	1.03	1.50
11386	13.6	9.2	9.8	53.9	9.5	1.03	1.52
11387	14.3	10.9	12.4	43.3	5.1	1.01	1.54
11388	16.6	12.8	10.9	26.2	8.0	0.98	1.59
11389	19.4	14.2	25.4	1.3	2.0	0.96	1.63
11390	24.2	16.6	39.3	22.6	1.1	0.96	1.62
11391	21.3	14.2	84.4	57.1	16.7	0.98	1.57
11392	20.0	13.4	78.5	65.5	37.3	1.00	1.56
11393	18.2	13.0	85.2	62.8	31.7	1.02	1.54
11394	15.2	12.9	83.3	38.9	13.4	1.01	1.56
11395	12.1	10.7	89.8	0.0	3.0	0.99	1.59
11396	13.8	9.8	85.9	21.4	6.5	0.98	1.58
11397	15.7	9.2	71.9	50.0	13.5	0.99	1.56
11398	17.5	10.9	70.0	25.6	14.0	1.00	1.58
11399	14.2	9.2	50.5	21.1	23.0	1.00	1.59
11400	12.0	9.4	67.6	0.0	10.1	0.99	1.59
11401	16.9	12.1	80.0	27.6	5.0	0.97	1.59
11402	21.6	14.1	95.0	73.7	12.8	0.97	1.55
11403	27.7	17.1	83.7	94.3	21.7	0.98	1.52
11404	29.3	18.2	83.7	100.0	29.1	0.99	1.50
11405	30.9	19.5	93.8	100.0	29.1	1.01	1.49
11406	31.7	20.3	86.9	93.5	27.1	1.02	1.49
11407	29.3	17.7	91.7	91.5	36.0	1.02	1.50
11408	27.7	8.8	100.0	92.3	42.0	1.03	1.52
11409	26.3	16.4	81.7	68.2	33.5	1.01	1.55
11410	21.1	13.5	66.7	66.3	34.8	1.01	1.55
11411	17.4	14.4	49.2	68.1	17.9	1.01	1.54
11412	27.1	20.7	57.2	68.6	9.7	0.98	1.56
11413	29.3	20.1	80.0	77.0	19.9	0.99	1.55
11414	30.6	8.5	100.0	95.0	44.6	1.02	1.51
11415	31.2	18.0	78.9	97.2	39.1	1.02	1.49
11416	31.5	20.4	94.9	100.0	25	1.01	1.49



A.F.E. MANAGEMENT----WILLKENS 1-24 CHES DCC2591  
 ALTAMONT----24-1S-5W----DUCHESNE COUNTY, UTAH

DEPTH	COMP	POROSITY	SATURATIONS		SHALE	SILICON	CARBON
	CN	%	WATER-NLL	WATER-C/O	VOLUME	CALCIUM	OXYGEN
	%		%	%	%	RATIO	RATIO
11417	31.8	20.6	83.1	100.0	25.7	1.01	1.45
11418	32.0	18.9	76.5	100.0	36.4	1.01	1.47
11419	32.1	19.7	87.7	100.0	32.1	1.01	1.48
11420	32.2	20.4	90.7	100.0	27.5	1.01	1.48
11421	32.3	9.2	100.0	100.0	43.8	1.01	1.45
11422	32.2	9.3	100.0	100.0	43.6	1.01	1.45
11423	32.3	9.1	100.0	100.0	43.9	1.01	1.45
11424	32.3	19.7	75.8	100.0	31.2	1.01	1.48
11425	32.4	20.3	77.4	100.0	28.1	1.00	1.48
11426	32.5	20.2	77.2	100.0	28.4	1.02	1.47
11427	32.5	20.7	78.6	100.0	25.3	1.01	1.45
11428	32.6	10.5	100.0	100.0	40.9	1.01	1.47
11429	32.6	21.3	92.3	91.5	21.7	1.02	1.50
11430	32.5	21.9	90.9	82.9	17.3	0.99	1.54
11431	32.4	22.4	62.8	89.7	13.6	0.98	1.54
11432	20.7	12.5	33.5	90.7	36.3	0.99	1.53
11434	24.5	15.0	89.3	100.0	33.7	1.01	1.47
11435	29.8	19.4	100.0	100.0	24.8	1.01	1.46
11436	30.6	19.8	93.8	100.0	25.3	1.00	1.47
11437	31.0	20.3	94.9	100.0	23.6	0.98	1.50
11438	31.4	19.5	100.0	100.0	29.4	0.99	1.49
11439	31.6	17.8	91.0	100.0	39.8	1.00	1.48
11441	31.7	18.6	97.4	100.0	35.8	0.99	1.49
11442	31.2	9.0	100.0	99.2	43.5	1.01	1.49
11444	26.2	17.8	88.9	100.0	23.1	1.00	1.49
11445	27.4	20.6	93.4	100.0	9.4	1.02	1.47
11446	22.0	18.0	62.7	88.0	7.5	1.02	1.50
11447	3.1	9.5	67.0	70.8	3.2	1.01	1.51
11448	2.0	4.6	83.8	79.1	7.6	1.06	1.46
11449	2.6	6.8	50.2	81.8	6.6	1.05	1.47
11450	4.3	8.7	1.8	100.0	16.3	1.01	1.49
11451	7.4	10.0	0.0	89.9	18.1	1.05	1.47
11452	23.0	16.3	19.7	100.0	24.3	1.01	1.49
11453	26.1	16.1	68.4	98.6	35.7	1.00	1.51
11454	25.8	7.2	100.0	100.0	44.8	1.00	1.48
11456	30.6	7.6	100.0	98.0	46.5	1.05	1.47
11457	31.5	7.6	100.0	100.0	46.9	1.00	1.47
11458	31.8	19.7	80.4	100.0	32.2	1.00	1.47
11459	31.9	18.8	82.7	100.0	37.6	0.99	1.47
11465	26.4	5.9	100.0	99.1	48.7	1.01	1.50
11466	29.4	17.3	76.6	100.0	38.0	1.01	1.49
11467	31.6	8.3	100.0	100.0	45.4	0.99	1.48
11469	28.4	16.1	100.0	100.0	39.7	0.99	1.47
11470	27.1	7.9	100.0	100.0	43.2	1.02	1.48

A.F.E. MANAGEMENT-----WILLKENS 1-24 CHES DCC2591  
 ALTAMONT-----24-1S-5W-----DUCHESE COUNTY, UTAH

DEPTH	COMP CN %	POROSITY %	SATURATIONS		SHALE VOLUME %	SILICON CALCIUM RATIO	CARBON OXYGEN RATIO
			WATER-NLL %	WATER-C/O %			
11472	24.3	4.9	100.0	100.0	49.4	0.99	1.49
11479	22.8	5.7	100.0	98.3	46.9	1.03	1.48
11480	12.8	13.8	100.0	100.0	23.0	1.02	1.48
11481	7.6	2.7	100.0	100.0	28.5	1.01	1.48
11482	4.6	2.8	100.0	100.0	14.9	1.01	1.49
11483	5.8	5.3	100.0	100.0	6.2	1.04	1.46
11484	6.8	6.8	100.0	100.0	0.4	1.04	1.46
11485	5.1	5.5	84.2	68.3	3.2	1.03	1.49
11486	7.2	6.1	53.5	0.0	3.6	0.99	1.57
11487	14.8	10.2	23.0	29.8	5.0	0.97	1.58
11488	19.2	13.0	0.0	53.5	15.5	1.00	1.56
11489	20.6	13.8	0.0	77.8	24.8	1.00	1.53
11490	21.2	12.9	54.4	72.9	21.3	0.96	1.57
11491	21.3	12.9	84.4	74.0	24.3	0.98	1.55
11492	22.1	15.3	71.5	83.8	20.2	1.01	1.52
11493	26.7	17.6	71.5	79.6	15.8	0.99	1.54
11494	28.7	20.8	67.5	75.7	12.0	0.98	1.55
11495	30.9	20.6	60.0	85.4	21.5	1.00	1.53
11496	28.8	17.7	55.1	82.8	35.1	1.02	1.52
11497	17.2	15.3	100.0	64.9	13.1	1.02	1.53
11498	12.7	10.6	100.0	52.8	8.0	1.00	1.54
11499	10.2	5.6	100.0	45.3	19.3	1.02	1.53
11500	9.1	7.4	100.0	0.0	4.9	1.01	1.56
11501	9.0	8.4	85.7	10.7	6.2	0.99	1.57
11502	14.7	9.8	81.7	49.5	7.5	0.98	1.55
11503	19.6	7.3	0.0	62.5	36.9	0.99	1.56
11504	28.7	6.3	100.0	91.3	48.8	0.98	1.56
11505	31.8	21.0	55.8	92.8	29.4	0.99	1.52
11506	31.1	21.4	70.1	95.9	25.9	0.97	1.53
11507	29.9	19.4	80.1	79.6	31.9	0.98	1.55
11508	31.1	8.0	100.0	88.4	46.0	1.04	1.53
11509	32.4	21.7	63.7	70.0	24.2	1.03	1.54
11510	30.7	22.8	80.9	62.8	9.3	1.03	1.54
11511	28.6	21.5	65.4	66.8	13.0	1.02	1.54
11512	32.4	22.6	27.9	55.1	19.2	1.02	1.57
11513	32.8	20.6	28.9	81.3	32.8	1.00	1.54
11514	32.9	19.3	64.4	100.0	38.6	1.01	1.49
11515	33.0	19.7	74.2	88.6	37.5	1.01	1.52
11517	32.7	10.3	100.0	97.8	41.9	1.02	1.49
11518	32.3	21.8	89.8	99.8	23.0	1.00	1.50
11519	31.6	21.2	81.8	96.9	22.3	1.00	1.50
11520	28.8	19.3	87.9	80.2	22.4	1.02	1.52
11521	18.8	13.3	100.0	50.1	14.7	1.00	1.56
11522	16.3	10.1	53.8	60.1	37.5	0.98	1.58
11523	27.3	17.9	25.3	75.6	29.7	0.96	1.57
11524	31.3	19.9	43.5	78.4	30.4	0.99	1.55
11525	31.7	6.8	100.0	92.4	49	1.03	1.52

A.F.E. MANAGEMENT----WILLKENS 1-24 CHES DCC2591  
 ALTAMONT----24-1S-5W----DUCHESE COUNTY, UTAH

DEPTH	COMP CN %	POROSITY %	SATURATIONS		SHALE VOLUME %	SILICON CALCIUM RATIO	CARBON OXYGEN RATIO
			WATER-NLL %	WATER-C/O %			
11526	32.2	18.9	82.9	99.5	38.9	1.01	1.49
11527	32.6	20.3	85.4	100.0	33.2	1.01	1.49
11528	32.6	7.9	100.0	97.8	46.9	1.00	1.51
11530	31.9	18.9	93.5	100.0	38.0	1.00	1.50
11532	30.7	21.3	100.0	100.0	18.7	0.99	1.50
11533	28.6	8.7	100.0	99.1	42.3	0.99	1.51
11536	17.6	12.0	100.0	56.2	26.6	1.04	1.53
11537	16.4	12.3	88.1	75.8	26.5	1.05	1.49
11538	26.2	16.9	28.1	78.1	34.0	1.04	1.51
11539	20.7	15.7	54.1	94.0	29.0	1.02	1.50
11540	18.5	17.1	100.0	81.5	14.9	1.02	1.51
11541	11.7	13.3	100.0	84.6	16.6	1.01	1.51
11542	2.2	1.8	100.0	100.0	29.3	1.02	1.50
11543	5.8	2.6	46.7	100.0	19.3	1.02	1.54
11544	13.7	6.8	0.0	62.5	27.3	1.01	1.53
11547	29.0	17.9	46.7	82.7	36.5	1.00	1.53
11550	32.6	7.4	100.0	99.1	48.0	1.01	1.50
11556	29.5	18.4	80.5	100.0	34.2	1.01	1.47
11557	30.6	18.2	85.9	100.0	38.8	1.03	1.48
11561	23.5	4.5	100.0	100.0	47.4	1.01	1.48
11565	21.7	14.7	95.8	91.4	27.7	1.02	1.50
11566	31.3	20.3	60.7	86.5	25.5	1.01	1.52
11568	32.7	18.9	81.1	100.0	38.9	0.99	1.50
11569	32.8	7.6	100.0	100.0	47.6	0.98	1.49
11570	32.9	10.3	100.0	100.0	42.0	0.99	1.49
11571	33.0	20.0	85.7	100.0	33.5	0.99	1.48
11572	32.8	19.2	78.5	100.0	37.6	1.01	1.48
11573	32.6	11.1	100.0	100.0	40.3	0.99	1.48
11578	22.7	14.5	95.4	93.8	33.1	1.00	1.51
11579	32.4	20.2	67.6	80.7	29.0	1.02	1.52
11580	28.4	18.9	86.7	92.4	24.0	1.01	1.51
11581	30.0	6.9	100.0	95.5	47.9	1.00	1.53
11583	31.3	18.9	71.7	79.9	31.1	1.00	1.54
11584	14.2	13.3	100.0	24.6	8.3	1.00	1.58
11585	9.4	8.7	100.0	0.0	7.6	0.99	1.60
11586	8.6	8.1	62.9	22.1	7.3	0.98	1.57
11587	17.5	12.9	41.6	62.3	6.4	0.99	1.55
11588	18.7	13.4	65.4	69.1	14.4	0.96	1.57
11589	21.0	10.8	71.6	78.2	30.1	0.97	1.55



A.F.E. MANAGEMENT-----WILLKENS 1-24 CHES DCC2591  
 ALTAMONT-----24-1S-5W-----DUCHESNE COUNTY, UTAH

DEPTH	COMP	POROSITY	SATURATIONS		SHALE	SILICON	CARBON
	CN	%	WATER-NLL	WATER-C/O	VOLUME	CALCIUM	OXYGEN
	%		%	%	%	RATIO	RATIO
11590	24.4	15.8	76.6	62.5	18.2	0.99	1.56
11591	24.6	16.1	85.2	64.6	17.9	1.01	1.54
11592	25.4	16.8	85.1	76.2	17.4	1.00	1.54
11593	28.5	16.5	64.4	86.8	31.8	1.00	1.52
11594	28.3	15.3	65.3	86.7	38.4	1.00	1.53
11595	27.2	18.0	83.1	86.3	20.5	1.01	1.51
11596	26.0	16.3	82.8	66.3	27.0	1.02	1.54
11597	26.9	18.8	66.7	60.8	17.0	1.01	1.56
11598	19.7	15.5	100.0	53.2	8.6	1.00	1.56
11599	19.8	10.2	100.0	55.2	31.3	1.02	1.55
11600	19.0	9.8	100.0	86.0	34.5	1.01	1.51
11601	25.7	12.7	99.5	87.6	39.9	1.01	1.52
11602	30.6	20.1	84.8	76.8	16.2	1.02	1.53
11603	28.2	20.3	76.0	73.5	10.8	1.02	1.53
11604	29.4	9.0	100.0	89.6	41.8	1.02	1.53
11605	30.7	18.8	72.6	73.1	28.9	1.01	1.54
11608	31.7	18.7	72.2	93.6	32.5	1.01	1.51
11609	31.6	20.6	68.7	80.5	20.1	1.01	1.53
11610	23.7	15.3	49.2	68.3	26.2	1.02	1.54
11611	19.5	6.4	100.0	87.5	40.0	1.01	1.55
11612	12.6	7.8	100.0	48.1	32.9	1.02	1.55
11613	7.6	8.5	92.6	4.9	6.0	1.04	1.54
11614	2.0	5.9	76.4	0.0	1.7	1.03	1.54
11615	1.1	4.8	64.6	0.0	0.5	1.03	1.54
11616	1.1	3.5	31.4	0.0	10.8	1.00	1.56
11617	2.7	1.5	80.1	100.0	29.4	1.00	1.55
11618	5.8	4.7	86.3	69.7	27.1	1.03	1.51
11619	11.3	10.5	75.1	81.0	20.1	1.00	1.52
11620	13.5	5.4	100.0	92.9	41.9	1.00	1.53
11621	31.1	18.2	97.5	89.0	39.8	1.01	1.51
11622	32.1	19.9	95.3	88.6	33.9	1.01	1.52
11624	32.3	20.5	88.5	97.3	32.3	1.01	1.50
11625	32.3	20.5	91.2	100.0	32.0	1.02	1.47
11626	32.2	21.1	100.0	100.0	28.2	1.00	1.48
11627	32.3	19.1	84.5	100.0	38.5	0.99	1.50
11628	32.2	22.2	87.3	100.0	21.6	1.00	1.49
11629	32.1	21.0	83.7	100.0	28.6	0.99	1.49
11630	32.1	19.4	89.2	100.0	36.5	0.98	1.49
11631	31.8	22.4	93.9	97.9	17.9	1.01	1.50
11632	31.2	22.3	98.5	91.7	16.5	1.01	1.51
11633	30.6	19.9	72.8	93.4	28.2	1.00	1.51
11635	23.6	17.9	54.2	72.1	16.1	1.03	1.52
11636	12.6	13.1	51.3	67.8	11.0	1.03	1.51
11637	6.2	8.9	72.4	90.7	13.5	1.02	1.49
11638	9.0	3.9	100.0	75.0	21.3	1.00	1.52
11639	13.3	8.9	100.0	59.9	17.5	1.03	1.52
11640	11.6	3.7	100.0	93.7	41	1.04	1.50

A.F.E. MANAGEMENT----WILLKENS 1-24 CHES DCC2591  
 ALTAMONT----24-1S-5W----DUCHESE COUNTY, UTAH

DEPTH	COMP CN %	POROSITY %	SATURATIONS		SHALE VOLUME %	SILICON CALCIUM RATIO	CARBON OXYGEN RATIO
			WATER-NLL %	WATER-C/O %			
11641	8.2	3.8	76.1	88.0	38.3	1.03	1.49
11642	8.6	6.5	100.0	86.8	13.7	1.03	1.49
11643	6.6	2.3	0.0	100.0	36.3	0.99	1.52
11645	10.6	2.5	100.0	100.0	35.8	1.02	1.51
11646	10.7	3.3	50.6	78.3	34.2	1.01	1.51
11647	8.1	2.8	100.0	100.0	32.9	1.00	1.52
11649	19.9	7.7	100.0	85.0	39.1	1.02	1.50
11650	18.9	9.4	100.0	90.9	29.1	1.02	1.50
11651	13.9	3.7	100.0	96.1	41.6	1.02	1.50
11652	12.6	4.1	100.0	95.0	41.0	1.00	1.52
11655	16.9	3.2	100.0	94.6	41.1	1.00	1.52
11656	16.8	7.5	100.0	81.5	26.5	0.99	1.53
11658	20.8	9.8	100.0	73.1	38.3	0.99	1.55
11659	27.5	14.9	98.2	84.5	31.8	0.98	1.55
11660	26.5	17.2	84.3	89.8	33.2	0.99	1.53
11661	26.9	16.7	91.5	86.9	27.5	1.00	1.52
11662	25.0	17.0	93.5	88.9	31.4	1.01	1.51
11663	26.3	8.5	100.0	95.0	42.0	1.03	1.50
11664	23.1	5.0	100.0	100.0	49.0	1.01	1.49
11665	21.0	15.4	85.1	100.0	30.8	0.99	1.50
11666	17.9	4.3	100.0	98.7	46.8	1.01	1.50
11669	14.2	7.7	68.1	89.3	32.8	1.01	1.51
11670	11.5	8.2	100.0	74.1	25.1	1.01	1.52
11671	10.9	9.1	100.0	54.2	15.0	0.99	1.55
11672	27.3	18.7	77.0	88.2	27.1	1.00	1.52
11673	27.7	20.1	82.0	86.3	22.0	0.99	1.53
11674	27.7	7.9	100.0	92.3	44.3	0.99	1.55
11676	22.6	4.8	100.0	96.1	49.5	1.00	1.52
11677	16.0	14.4	30.0	89.0	22.7	1.00	1.52
11678	13.5	8.5	90.3	87.5	27.9	1.00	1.51
11680	20.0	11.4	100.0	100.0	33.3	0.99	1.49
11681	31.3	20.7	95.1	100.0	28.8	1.02	1.47
11683	31.9	19.8	96.0	100.0	34.8	0.97	1.51
11686	32.1	19.5	79.6	97.4	36.3	1.00	1.50
11687	32.1	23.1	67.4	97.1	19.9	1.01	1.50
11688	32.0	22.7	70.2	100.0	22.6	1.00	1.50
11689	31.9	20.6	80.4	99.0	31.6	1.00	1.50
11690	31.8	6.9	100.0	100.0	48.7	0.99	1.49
11692	31.8	10.9	100.0	100.0	40.4	0.98	1.50
11693	31.9	21.9	64.6	100.0	24.9	0.99	1.50

A.F.E. MANAGEMENT----WILLKENS 1-24 CHES DCC2591  
 ALTAMONT----24-1S-5W----DUCHESNE COUNTY, UTAH

DEPTH	COMP	POROSITY	SATURATIONS		SHALE	SILICON	CARBON
	CN	%	WATER-NLL	WATER-C/O	VOLUME	CALCIUM	OXYGEN
	%		%	%	%	RATIO	RATIO
11694	31.9	22.1	62.7	100.0	22.6	1.01	1.48
11695	25.2	18.2	63.1	84.4	24.4	1.01	1.52
11696	19.6	13.9	53.4	73.1	34.1	1.00	1.55
11697	18.3	13.5	64.6	77.2	30.7	1.01	1.53
11698	16.8	9.8	94.8	82.0	36.6	1.00	1.53
11700	17.5	10.0	90.8	59.4	23.8	1.02	1.54
11701	14.5	11.4	100.0	35.7	10.6	1.01	1.56
11702	13.6	10.2	96.1	59.1	9.8	0.99	1.54
11703	12.5	9.8	100.0	77.6	9.1	0.98	1.53
11704	14.8	9.4	100.0	73.4	22.3	1.00	1.53
11705	16.7	8.7	100.0	62.2	32.9	1.02	1.54
11708	15.7	8.7	60.3	74.1	36.0	0.98	1.56
11709	13.9	2.3	100.0	100.0	41.0	0.99	1.54
11710	12.9	6.5	87.2	70.9	23.6	0.98	1.54
11711	11.9	8.3	99.8	49.5	11.1	0.99	1.55
11712	8.3	5.0	100.0	42.7	21.2	0.99	1.56
11713	9.3	6.5	92.3	0.0	5.4	0.96	1.59
11714	8.3	5.9	100.0	23.5	5.5	0.97	1.57
11715	6.3	1.0	100.0	100.0	25.4	0.96	1.58
11716	7.4	1.2	100.0	100.0	22.3	0.98	1.57
11717	9.9	4.3	100.0	25.5	15.4	0.97	1.57
11718	11.1	5.0	100.0	24.3	20.1	0.98	1.58
11719	11.4	3.7	100.0	61.7	30.2	1.00	1.54
11720	14.6	5.4	100.0	65.7	38.5	1.03	1.52
11721	17.2	9.1	100.0	57.1	23.2	1.03	1.53
11722	20.8	8.8	100.0	79.3	35.3	1.01	1.52
11723	18.7	2.7	100.0	100.0	49.1	0.99	1.53
11724	17.4	3.2	100.0	94.5	44.0	0.98	1.54
11726	17.0	8.5	100.0	67.8	24.5	1.04	1.50
11727	19.6	12.2	100.0	53.6	9.4	1.03	1.52
11728	14.6	11.8	85.0	58.5	23.1	1.00	1.55
11729	13.1	2.7	100.0	100.0	41.6	1.03	1.53
11730	14.7	9.3	64.7	48.1	18.7	1.02	1.54
11731	14.7	9.5	60.8	44.4	18.2	1.02	1.54
11732	10.9	5.5	100.0	14.0	21.5	1.00	1.58
11733	7.4	3.8	100.0	14.0	17.0	1.01	1.55
11734	11.8	5.7	100.0	0.0	16.1	1.02	1.57
11735	12.5	5.3	100.0	41.4	33.3	1.02	1.55
11737	18.0	3.8	100.0	79.8	41.7	1.03	1.56
11738	24.2	11.7	49.2	44.2	31.0	1.03	1.56
11739	21.0	4.7	100.0	85.9	44.4	1.02	1.55
11740	18.1	5.3	100.0	87.5	41.3	1.01	1.55
11741	15.9	3.2	100.0	87.6	44.3	1.03	1.54
11742	19.6	4.7	100.0	87.2	41.2	1.03	1.53
11743	20.5	10.5	100.0	76.7	32.1	1.05	1.50
11744	20.3	13.9	66.9	81.9	20.7	1.03	1.50



A.F.E. MANAGEMENT----WILLKENS 1-24 CHES DCC2591  
 ALTAMONT----24-1S-5W----DUCHESE COUNTY, UTAH

DEPTH	COMP	POROSITY	SATURATIONS		SHALE	SILICON	CARBON
	CN	%	WATER-NLL	WATER-C/O	VOLUME	CALCIUM	OXYGEN
	%		%	%	%	RATIO	RATIO
11745	16.5	13.7	27.8	75.9	14.8	1.02	1.51
11746	6.5	11.1	32.9	62.5	10.1	1.03	1.51
11747	2.7	6.1	53.1	27.1	14.8	1.05	1.52
11748	3.6	3.7	100.0	0.0	8.0	1.05	1.52
11749	4.5	4.5	100.0	0.0	10.8	1.03	1.53
11750	5.0	4.4	100.0	10.6	15.4	1.03	1.53
11751	6.6	4.1	100.0	44.0	23.4	1.03	1.53
11752	9.7	5.6	100.0	50.1	22.1	1.01	1.53
11753	16.0	9.1	100.0	46.4	22.0	1.05	1.52
11754	17.3	8.7	100.0	55.4	34.1	1.05	1.52
11755	17.7	9.5	100.0	57.7	27.6	1.02	1.54
11756	14.2	6.9	100.0	50.2	25.8	1.03	1.53
11758	16.3	7.0	100.0	76.4	31.1	1.02	1.51
11762	19.3	3.2	100.0	92.8	49.1	1.03	1.51
11765	14.5	1.5	100.0	100.0	49.0	1.01	1.53
11766	16.8	6.7	100.0	68.1	34.0	1.03	1.51
11767	15.6	10.3	96.3	68.6	11.2	1.02	1.51
11776	26.8	7.0	100.0	91.9	44.8	1.01	1.53
11777	27.4	16.7	60.6	83.7	38.2	1.02	1.52
11778	26.4	8.1	100.0	99.4	43.0	1.02	1.48
11779	25.3	17.1	44.4	84.1	30.8	1.05	1.49
11780	24.7	15.8	77.3	78.2	33.3	1.05	1.50
11782	28.4	8.3	100.0	88.6	43.8	1.02	1.54
11783	22.2	11.7	77.9	71.4	38.7	1.04	1.52
11784	17.9	6.8	100.0	95.3	40.1	1.04	1.49
11785	12.4	8.8	80.7	75.0	34.7	1.03	1.51
11786	15.1	6.4	100.0	57.9	34.6	1.00	1.56
11787	14.6	6.3	100.0	53.8	27.6	1.01	1.54
11788	13.1	5.7	100.0	61.4	22.8	1.01	1.52
11789	16.0	7.4	100.0	49.9	24.2	1.04	1.52
11790	20.3	3.6	100.0	89.9	43.8	1.02	1.53
11791	22.2	12.9	100.0	48.6	25.8	1.03	1.55
11792	22.9	11.2	90.2	51.9	33.4	1.02	1.55
11793	22.3	10.3	60.4	49.8	38.7	1.01	1.57
11794	19.3	9.7	58.7	41.0	36.4	1.02	1.57
11795	17.2	9.6	53.2	56.6	38.2	1.03	1.54
11796	12.6	8.7	92.0	38.9	16.0	1.03	1.54
11797	9.5	4.8	71.5	65.6	22.6	0.99	1.54
11798	7.3	4.6	100.0	77.6	22.6	0.98	1.54
11799	14.6	6.9	100.0	84.8	24.7	0.97	1.54
11803	21.8	16.3	48.8	73.1	28.5	1.03	1.52
11804	18.9	15.4	59.1	63.4	16.4	0.99	1.56
11805	19.8	11.2	57.2	65.1	34.7	1.00	1.55
11806	17.5	9.2	87.9	49.5	22.4	1.02	1.54

A.F.E. MANAGEMENT-----WILLKENS J-24 CHES DCC2591  
 ALTAMONT-----24-1S-5W-----DUCHESE COUNTY, UTAH

DEPTH	COMP	POROSITY	SATURATIONS		SHALE	SILICON	CARBON
	CN	%	WATER-NLL	WATER-C/O	VOLUME	CALCIUM	OXYGEN
	%		%	%	%	RATIO	RATIO
11807	11.1	7.1	69.1	84.0	26.5	0.99	1.53
11808	8.3	7.4	77.8	55.8	15.9	0.99	1.55
11809	3.9	6.1	100.0	0.0	4.2	1.01	1.55
11810	3.3	4.0	100.0	11.5	12.5	0.98	1.56
11812	12.4	4.4	100.0	10.7	25.5	1.01	1.57
11813	13.4	4.9	100.0	45.0	25.3	0.99	1.56
11814	15.3	6.0	100.0	64.1	27.0	0.99	1.54
11815	18.1	6.5	100.0	43.7	37.7	1.04	1.54
11816	18.5	8.0	100.0	53.0	30.6	1.03	1.54
11817	17.1	7.4	100.0	65.8	39.9	1.02	1.53
11818	12.9	7.7	94.6	54.9	23.6	1.03	1.52
11819	8.6	6.1	93.1	20.0	14.3	1.02	1.54
11820	11.5	6.3	100.0	0.0	11.2	1.02	1.57
11821	11.7	7.1	100.0	24.6	14.3	0.99	1.57
11822	16.8	9.7	93.8	58.4	19.3	0.99	1.55
11823	25.7	14.2	91.9	76.3	23.4	1.00	1.54
11824	29.5	14.3	82.8	92.2	39.9	0.99	1.52
11825	28.5	17.8	74.7	96.9	34.8	1.00	1.51
11826	20.2	15.3	66.0	88.6	27.3	1.00	1.52
11827	12.6	14.1	34.6	59.1	14.6	1.01	1.54
11828	4.7	1.2	100.0	100.0	25.6	1.01	1.54
11829	8.6	1.1	100.0	100.0	29.8	0.99	1.55
11830	14.9	6.1	100.0	75.2	29.9	1.00	1.53
11832	16.2	3.8	100.0	92.9	43.3	1.03	1.51
11833	9.8	7.7	100.0	58.4	15.1	1.05	1.50
11834	5.8	6.7	83.8	58.1	11.6	1.03	1.51
11835	3.4	4.9	27.5	4.2	8.0	1.05	1.51
11836	2.6	4.9	0.0	22.9	5.0	1.07	1.48
11837	4.3	5.5	17.0	16.9	5.0	1.07	1.48
11838	6.5	3.7	0.0	52.3	27.0	1.03	1.52
11839	12.1	2.8	100.0	100.0	42.2	1.02	1.53
11840	23.5	4.9	100.0	93.9	48.9	1.04	1.50
11841	23.2	14.5	85.0	85.2	38.3	1.01	1.52
11842	21.5	12.9	100.0	73.6	27.3	1.03	1.51
11843	25.0	13.0	76.5	70.9	34.1	1.02	1.53
11844	23.7	12.9	94.0	86.6	28.0	1.01	1.51
11845	21.1	4.3	100.0	97.1	46.6	1.01	1.51
11846	20.2	3.8	100.0	90.0	47.4	1.02	1.54
11847	18.7	10.4	100.0	75.3	28.3	1.01	1.52
11850	17.9	2.3	100.0	100.0	47.7	1.01	1.56
11851	16.8	5.9	100.0	73.0	28.1	1.00	1.53
11852	14.1	5.3	100.0	49.2	22.2	1.02	1.53
11853	7.2	1.1	100.0	100.0	30.3	1.00	1.56
11854	7.1	0.0	100.0	100.0	49.9	1.00	1.53
11855	10.2	2.6	100.0	100.0	32.4	1.01	1.51
11856	10.7	3.7	100.0	32.3	27.6	1.02	1.55
11857	10.2	3.9	100.0	52.6	17.5	1.02	1.52



A.F.E. MANAGEMENT----WILLKENS 1-24 CHES DCC2591  
 ALTAMONT----24-1S-5W----DUCHESE COUNTY, UTAH

DEPTH	COMP	POROSITY	SATURATIONS		SHALE	SILICON	CARBON
	CN	%	WATER-NLL	WATER-C/O	VOLUME	CALCIUM	OXYGEN
	%		%	%	%	RATIO	RATIO
11858	8.5	5.6	100.0	57.2	16.2	1.00	1.53
11859	18.1	10.9	99.1	44.2	22.8	1.01	1.56
11860	23.3	13.7	100.0	62.6	26.8	1.03	1.53
11861	25.4	16.2	100.0	74.8	17.4	1.02	1.52
11862	26.8	16.9	100.0	83.9	23.7	1.02	1.51
11863	25.1	15.3	82.8	91.1	38.7	1.03	1.49
11864	22.7	15.2	73.6	100.0	22.1	1.01	1.49
11865	21.3	15.1	84.6	89.2	13.4	1.00	1.51
11866	19.7	11.3	83.3	66.5	29.3	1.01	1.54
11867	18.0	10.4	81.0	44.3	25.8	1.01	1.57
11868	16.4	10.4	100.0	25.6	16.0	1.02	1.57
11869	17.1	3.6	100.0	82.8	41.1	1.02	1.56
11870	17.4	8.3	100.0	47.2	27.3	0.99	1.57
11871	17.1	9.3	100.0	24.3	11.9	0.99	1.58
11872	14.6	8.7	87.2	5.4	14.6	0.98	1.60
11873	14.1	7.9	77.3	0.0	18.0	0.97	1.64
11874	17.6	10.2	73.3	27.6	21.8	0.97	1.61
11875	20.7	13.3	92.8	29.5	15.4	0.97	1.61
11876	22.4	15.7	91.7	50.8	14.4	0.99	1.58
11877	23.5	16.8	90.2	45.6	11.3	1.01	1.57
11878	22.6	15.1	97.6	61.0	13.8	1.01	1.54
11879	21.6	13.2	100.0	66.2	18.2	1.01	1.53
11880	20.9	12.2	100.0	46.4	17.8	1.01	1.55
11881	20.5	10.0	100.0	43.4	29.2	1.01	1.57
11882	17.0	10.2	89.7	20.2	20.1	1.03	1.56
11883	13.5	10.7	82.0	32.3	12.5	1.03	1.54
11884	24.6	18.1	51.8	65.8	11.0	1.00	1.55
11885	21.0	13.2	77.1	66.7	27.8	1.02	1.53
11886	16.9	5.3	100.0	84.5	40.2	1.05	1.53
11887	13.9	7.8	50.0	22.5	24.2	1.04	1.56
11888	10.1	8.3	39.3	18.7	11.1	1.02	1.55
11889	8.7	6.0	76.1	33.8	19.5	1.02	1.54
11890	25.3	14.0	67.0	77.6	35.5	1.02	1.52
11891	21.1	12.8	100.0	61.4	25.2	1.01	1.54
11892	15.6	10.2	100.0	36.3	21.6	1.03	1.55
11893	11.2	8.1	100.0	0.0	5.5	1.01	1.57
11894	4.5	3.0	100.0	0.0	14.3	1.00	1.57
11895	7.7	4.2	100.0	1.2	11.6	1.01	1.55
11896	7.7	5.7	87.3	36.3	16.4	1.01	1.54
11897	8.3	3.1	100.0	30.0	23.3	0.99	1.56
11898	9.8	5.5	100.0	0.0	11.7	1.02	1.56
11899	9.4	6.6	100.0	0.0	5.2	1.00	1.58
11900	13.0	5.7	100.0	18.1	20.5	0.99	1.58
11901	22.2	5.6	100.0	85.1	41.0	1.02	1.55
11902	20.0	12.9	65.1	54.5	29.5	1.03	1.55
11903	19.4	14.7	85.3	47.0	12.4	1.01	1.56
11904	19.0	12.2	97.6	22.3	9.0	1.02	1.56
11905	18.0	8.8	82.9	53.8	23.1	1.02	1.53
11906	25.6	5.9	100.0	91.2	43.1	1.01	1.53

A.F.E. MANAGEMENT----WILLKENS 1-24 CHES DCC2591  
 ALTAMONT----24-1S-5W----DUCHESNE COUNTY, UTAH

DEPTH	COMP	POROSITY	SATURATIONS		SHALE	SILICON	CARBON
	CN	%	WATER-NLL	WATER-C/O	VOLUME	CALCIUM	OXYGEN
	%		%	%	%	RATIO	RATIO
11910	33.1	7.9	100.0	92.5	47.0	1.02	1.52
11911	33.5	20.5	86.2	84.1	33.2	1.03	1.51
11912	33.8	21.9	89.1	85.8	26.3	1.02	1.52
11913	33.5	22.5	95.5	89.2	22.8	1.02	1.51
11914	32.5	21.0	87.5	91.3	28.7	1.04	1.49
11915	28.1	18.3	62.0	100.0	31.8	1.02	1.48
11916	25.3	16.3	35.6	94.3	35.0	1.02	1.50
11919	31.9	21.7	89.5	100.0	22.9	1.02	1.48
11920	32.5	22.0	78.6	100.0	23.0	1.02	1.47
11921	32.7	22.3	88.0	93.5	22.3	1.03	1.49
11922	32.8	10.4	100.0	100.0	41.8	1.02	1.48
11923	32.9	20.1	79.8	89.8	34.7	1.04	1.49
11924	32.9	10.6	100.0	94.6	41.5	1.02	1.51
11925	33.0	20.8	84.3	100.0	30.0	1.00	1.50
11926	33.0	10.7	100.0	96.9	41.4	1.03	1.49
11928	32.2	20.3	88.4	100.0	29.3	1.00	1.50
11929	31.6	18.9	77.6	93.1	35.2	1.00	1.52
11930	26.2	17.2	77.4	93.0	27.6	1.02	1.50
11931	23.7	12.0	94.7	92.2	31.3	1.02	1.50
11932	26.1	5.0	100.0	95.6	47.6	1.00	1.52
11933	31.7	18.6	61.5	92.8	36.9	0.99	1.52
11934	32.4	22.3	74.2	95.8	18.2	1.01	1.50
11935	31.4	20.7	62.5	98.9	26.1	1.02	1.49
11936	28.2	20.2	80.3	100.0	19.6	1.01	1.48
11937	25.3	6.5	100.0	100.0	46.2	1.00	1.49
11938	19.2	12.2	50.1	76.5	39.9	1.05	1.50
11939	15.0	12.1	68.0	72.6	21.2	1.03	1.51
11940	12.8	3.1	100.0	91.7	42.7	1.01	1.53
11941	15.3	2.6	100.0	100.0	45.3	1.02	1.52
11942	17.5	11.5	100.0	63.1	21.4	1.06	1.50
11943	27.0	16.5	77.7	76.5	29.3	1.03	1.52
11944	30.6	19.9	88.7	83.6	26.8	1.01	1.52
11945	32.6	22.6	88.6	99.1	17.7	1.00	1.50
11946	33.3	23.4	83.2	100.0	15.3	1.01	1.48
11947	33.7	24.7	85.4	98.9	9.7	1.03	1.48
11948	33.8	22.4	69.5	92.1	23.4	1.01	1.51
11949	33.4	22.7	62.3	90.6	20.4	1.00	1.52
11950	27.4	19.9	65.6	93.4	18.0	1.02	1.50
11951	27.2	19.3	60.8	93.0	20.2	1.02	1.50
11952	32.0	22.4	47.7	100.0	15.8	1.01	1.48
11953	23.6	17.6	47.4	100.0	16.3	1.02	1.48
11954	11.8	12.7	57.8	85.4	8.6	1.02	1.50
11955	11.5	8.6	74.6	64.7	14.9	1.02	1.51
11956	17.9	11.7	66.7	61.3	19.7	1.02	1.53
11957	24.3	16.6	63.5	64.1	21.5	1.02	1.55
11958	28.5	19.4	46.4	91.9	23.1	1.03	1.49
11959	26.6	17.4	42.3	97.7	29.1	1.04	1.47
11960	29.8	20.2	57.1	90.6	22.0	1.01	1.51

A.F.E. MANAGEMENT----WILLKENS 1-24 CHES DCC2591  
 ALTAMONT----24-1S-5W----DUCHESNE COUNTY, UTAH

DEPTH	COMP CN %	POROSITY %	SATURATIONS		SHALE VOLUME %	SILICON CALCIUM RATIO	CARBON OXYGEN RATIO
			WATER-NLL %	WATER-C/O %			
11961	27.4	17.9	60.9	88.7	28.1	1.01	1.52
11964	18.1	9.8	100.0	37.5	24.0	1.03	1.55
11965	18.0	8.1	95.5	58.2	30.5	1.02	1.54
11966	17.7	10.0	100.0	61.7	21.5	1.01	1.54
11967	21.3	9.6	100.0	58.4	31.4	1.01	1.55
11968	20.4	3.9	100.0	90.1	42.7	1.03	1.52
11969	17.6	13.6	21.2	72.3	12.9	1.05	1.49
11970	14.6	12.8	18.6	48.7	0.0	1.05	1.50
11971	2.9	6.3	60.6	0.0	0.0	1.05	1.51
11972	3.6	4.3	100.0	7.3	7.6	1.03	1.52
11973	5.7	3.0	100.0	100.0	16.9	1.00	1.54
11974	9.4	4.6	100.0	0.0	18.2	1.00	1.58
11975	18.3	8.8	87.9	41.1	33.3	0.99	1.59
11976	20.1	11.1	99.2	57.2	25.2	0.99	1.56
11977	22.0	12.1	84.7	50.6	33.7	1.03	1.56
11978	23.0	14.9	78.6	59.1	22.3	1.02	1.54
11979	23.1	15.3	69.7	56.1	17.6	1.02	1.55
11980	21.8	14.8	57.7	37.7	14.8	1.05	1.55
11981	19.8	13.6	34.5	42.2	11.8	1.03	1.55
11982	17.7	12.0	42.7	39.6	17.0	1.00	1.57
11983	21.0	11.6	100.0	52.5	26.6	1.01	1.56
11984	25.8	15.4	95.1	64.1	23.7	1.02	1.54
11985	24.0	12.8	100.0	58.1	32.0	1.03	1.54
11986	24.2	6.4	100.0	86.7	43.2	1.03	1.54
11988	26.8	14.3	100.0	77.9	35.9	1.00	1.54
11989	24.5	14.7	85.8	69.9	28.5	1.00	1.55
11990	18.6	11.4	78.4	56.5	28.2	1.03	1.54
11991	14.0	9.4	64.0	48.1	27.8	1.04	1.54
11992	11.9	5.0	100.0	52.5	37.5	1.02	1.55
11993	16.8	2.5	100.0	100.0	49.0	1.02	1.52
11996	16.5	8.2	100.0	80.5	31.1	1.02	1.51
11999	13.3	4.8	100.0	70.5	34.1	1.00	1.53
12000	17.2	7.0	100.0	61.8	36.9	1.00	1.55
12001	16.2	9.7	87.5	61.5	25.3	1.02	1.53
12002	14.6	6.6	100.0	43.2	37.9	1.00	1.57
12003	22.4	5.7	100.0	79.8	41.5	1.01	1.58
12004	22.5	13.2	94.7	54.5	30.1	1.01	1.56
12005	20.6	12.7	58.7	52.9	29.2	1.01	1.57
12006	14.0	12.6	31.2	51.7	9.2	1.03	1.53
12007	5.1	7.3	27.2	41.4	10.3	1.05	1.50
12008	3.9	6.7	50.5	15.2	6.1	1.08	1.49
12009	5.8	3.1	60.0	61.2	30.9	1.05	1.50
12012	14.1	6.6	100.0	57.4	29.9	1.02	1.53
12013	10.5	3.4	100.0	60.4	27.1	1.02	1.52
12014	9.1	0.8	100.0	100.0	35.8	1.02	1.51



A.F.E. MANAGEMENT----WILLKENS 1-24 CHES DCC2591  
 ALTAMONT----24-1S-5W----DUCHESE COUNTY, UTAH

DEPTH	COMP	POROSITY	SATURATIONS		SHALE	SILICON	CARBON
	CN	%	WATER-NLL	WATER-C/O	VOLUME	CALCIUM	OXYGEN
	%		%	%	%	RATIO	RATIO
12015	6.2	0.1	100.0	100.0	47.9	1.03	1.49
12016	4.0	0.0	100.0	100.0	39.5	1.01	1.53
12017	2.9	0.7	100.0	100.0	30.4	1.01	1.51
12018	2.4	3.5	100.0	21.7	8.1	1.01	1.52
12019	2.4	2.2	90.0	100.0	17.1	1.03	1.52
12020	2.9	2.4	41.0	100.0	21.5	1.01	1.52
12021	4.6	4.9	89.2	77.0	15.4	1.02	1.50
12022	4.7	6.3	100.0	43.8	8.5	1.05	1.50
12023	2.6	8.1	69.6	52.9	5.1	1.03	1.51
12024	1.5	7.1	67.1	6.4	5.8	1.03	1.53
12025	2.4	4.4	100.0	0.0	8.4	1.02	1.54
12026	2.1	3.2	100.0	59.6	13.4	1.02	1.50
12027	1.6	4.0	77.3	19.6	8.4	1.05	1.50
12028	1.7	3.5	68.6	14.4	9.7	1.07	1.49
12029	3.3	4.8	48.5	44.3	12.7	1.05	1.49
12030	9.4	8.3	48.4	38.9	10.3	1.03	1.53
12031	24.3	7.7	100.0	95.1	41.0	1.01	1.51
12033	20.2	12.9	83.6	81.1	30.3	1.04	1.49
12034	15.5	8.0	100.0	72.8	29.5	1.04	1.50
12035	13.2	6.6	100.0	46.1	18.9	1.06	1.50
12036	9.7	9.8	60.4	71.3	14.7	1.03	1.50
12037	9.0	6.1	100.0	67.5	21.1	1.03	1.51
12038	13.0	5.3	100.0	56.3	28.8	1.01	1.53
12039	13.8	5.6	100.0	73.9	33.7	1.01	1.52
12040	9.9	4.8	100.0	45.6	24.2	1.00	1.55
12041	6.7	0.7	100.0	100.0	29.9	1.01	1.56
12042	9.1	2.3	100.0	100.0	34.0	1.03	1.54
12043	14.5	5.4	100.0	70.9	32.7	1.01	1.52
12044	18.8	3.1	100.0	94.0	43.9	1.00	1.53
12045	20.6	3.7	100.0	85.7	41.2	1.01	1.56
12046	18.1	8.1	100.0	60.8	30.8	1.03	1.53
12047	16.0	7.8	100.0	73.8	30.0	1.01	1.53
12048	11.6	4.7	98.2	58.2	31.7	1.01	1.53
12049	8.1	6.7	21.9	44.3	13.3	1.03	1.52
12050	3.5	4.8	18.0	65.5	13.2	1.04	1.49
12051	4.8	6.1	37.8	100.0	20.9	1.05	1.46
12052	12.6	8.7	76.9	100.0	23.9	1.04	1.47
12054	14.6	7.1	100.0	94.7	29.7	1.01	1.50
12055	12.6	3.5	100.0	93.8	41.7	1.01	1.52
12056	14.6	11.4	87.9	85.5	29.5	1.02	1.50
12057	18.9	14.5	79.8	90.3	24.0	1.01	1.51
12058	25.5	8.1	100.0	95.9	42.3	1.00	1.52
12059	32.7	7.8	100.0	94.2	47.0	1.02	1.52
12060	27.8	17.1	100.0	84.2	36.4	1.02	1.52
12065	9.1	1.7	100.0	100.0	44.6	1.02	1.52
12066	5.8	2.1	100.0	100.0	34.9	1.02	1.52
12067	9.8	2.2	100.0	100.0	38.5	1.01	1.51

A.F.E. MANAGEMENT----WILLKENS 1-24 CHES DCC2591  
 ALTAMONT----24-1S-5W----DUCHE SNE COUNTY, UTAH

DEPTH	COMP	POROSITY	SATURATIONS		SHALE	SILICON	CARBON
	CN	%	WATER-NLL	WATER-C/O	VOLUME	CALCIUM	OXYGEN
	%		%	%	%	RATIO	RATIO
12068	11.8	4.7	100.0	43.3	29.7	1.01	1.55
12069	12.0	1.2	100.0	100.0	47.6	0.99	1.55
12072	16.3	2.6	100.0	100.0	45.9	1.01	1.55
12073	15.5	8.1	100.0	72.6	29.0	1.00	1.54
12074	16.0	9.3	100.0	75.9	23.1	1.00	1.53
12075	15.9	12.2	100.0	63.0	10.3	1.03	1.52
12076	11.9	11.8	100.0	61.4	9.8	1.02	1.52
12077	6.8	4.0	100.0	22.8	11.8	1.01	1.53
12078	13.2	5.4	63.6	46.3	29.1	0.99	1.56
12083	19.6	9.5	100.0	41.2	33.7	1.00	1.59
12084	18.6	3.3	100.0	83.9	45.8	1.02	1.56
12085	19.6	8.9	94.9	51.9	33.7	1.02	1.55
12086	19.5	10.6	100.0	57.6	25.3	1.03	1.53
12087	17.5	8.9	100.0	57.0	25.3	1.00	1.55
12088	15.6	9.2	100.0	37.3	18.8	0.97	1.59
12089	15.7	9.1	100.0	28.6	14.2	0.98	1.58
12090	20.6	8.3	94.9	37.4	35.0	1.01	1.57
12091	18.5	9.5	100.0	42.5	25.6	0.99	1.58
12092	16.6	8.4	100.0	40.1	23.8	1.02	1.55
12093	17.1	7.5	100.0	42.4	26.7	1.02	1.55
12094	14.1	7.8	100.0	40.2	18.0	1.02	1.54
12095	11.6	6.6	100.0	9.2	18.1	1.02	1.57
12096	9.8	1.5	100.0	100.0	33.4	0.99	1.54
12097	12.4	0.9	100.0	100.0	42.0	1.01	1.56
12098	10.5	6.8	100.0	3.7	15.1	1.03	1.55
12099	8.9	5.8	100.0	0.0	5.9	1.02	1.55
12100	10.1	4.7	100.0	22.4	19.2	1.01	1.55
12101	10.3	4.5	100.0	19.1	20.6	1.03	1.54
12102	9.2	5.3	100.0	13.8	15.6	1.05	1.52
12103	9.4	4.6	63.7	28.2	28.1	1.03	1.55
12104	11.8	4.8	46.5	55.3	30.3	1.02	1.53
12105	13.7	7.0	100.0	90.9	15.4	1.00	1.51
12106	15.0	7.2	100.0	81.9	20.7	1.00	1.52
12107	16.4	2.6	100.0	100.0	46.1	1.04	1.53
12108	19.3	10.3	100.0	50.0	26.4	1.06	1.52
12109	15.4	11.2	100.0	38.6	12.3	1.03	1.54
12110	7.5	4.9	100.0	0.0	10.6	1.03	1.55
12111	3.1	2.1	100.0	100.0	18.1	1.01	1.54
12112	18.6	3.9	100.0	90.8	46.7	1.01	1.53
12113	25.1	4.8	100.0	86.1	46.6	1.03	1.55
12114	29.1	6.1	100.0	83.7	42.1	1.05	1.53
12115	30.4	14.8	100.0	57.7	37.1	1.03	1.55
12117	28.5	18.6	100.0	85.4	26.9	1.01	1.52
12118	25.5	17.2	100.0	84.1	25.4	1.03	1.51
12119	20.0	13.6	100.0	75.1	29.4	1.04	1.51
12120	17.0	12.0	90.7	81.4	31.1	1.02	1.51
12121	23.1	14.0	48.6	66.4	35.5	1.03	1.54

A.F.E. MANAGEMENT-----WILLKENS 1-24 CHES DCC2591  
 ALTAMONT-----24-1S-5W-----DUCHESNE COUNTY, UTAH

DEPTH	COMP	POROSITY	SATURATIONS		SHALE	SILICON	CARBON
	CN	%	WATER-NLL	WATER-C/O	VOLUME	CALCIUM	OXYGEN
	%		%	%	%	RATIO	RATIO
12122	26.6	18.8	63.3	65.4	17.6	1.03	1.53
12123	6.8	7.2	100.0	44.2	30.2	1.03	1.54
12124	6.3	5.1	59.7	63.8	39.8	1.02	1.53
12125	6.8	5.4	100.0	70.5	17.4	1.04	1.49
12126	3.0	7.6	100.0	22.7	12.4	1.03	1.54
12127	1.9	7.4	97.6	0.0	7.9	1.03	1.55
12128	1.8	6.6	80.9	0.0	3.3	1.06	1.51
12129	0.6	7.2	49.8	9.5	6.9	1.05	1.52
12130	1.1	5.7	27.7	39.4	14.4	1.04	1.51
12131	2.9	6.4	19.3	11.7	14.3	1.04	1.54
12132	2.3	8.9	53.7	14.9	5.6	1.05	1.52
12133	5.4	8.8	29.5	53.9	14.5	1.05	1.51
12134	7.4	5.0	21.3	52.4	22.8	1.03	1.52
12135	7.4	4.3	26.5	44.2	33.0	1.03	1.54
12136	11.0	8.1	100.0	7.4	6.3	1.01	1.55
12137	12.7	10.4	75.4	40.1	14.1	1.02	1.55
12138	11.9	7.2	88.6	9.9	16.3	1.01	1.57
12139	16.7	7.1	22.7	39.2	29.4	1.02	1.56
12140	18.8	6.8	34.2	41.4	38.4	1.02	1.56
12141	18.3	9.4	95.3	27.8	23.9	1.04	1.56
12142	18.4	6.9	100.0	42.1	35.8	1.02	1.56
12143	18.7	6.4	100.0	46.9	37.6	1.04	1.54
12144	18.0	6.4	100.0	36.8	39.1	1.07	1.53
12146	19.7	5.0	100.0	76.6	40.5	1.04	1.57
12147	17.4	11.2	100.0	4.3	14.0	1.07	1.55
12148	14.9	8.6	100.0	49.5	18.8	1.04	1.52
12149	14.0	8.5	100.0	56.1	17.1	1.04	1.51
12150	19.6	13.6	81.7	75.4	13.0	1.02	1.51
12151	19.6	13.5	95.2	84.1	17.0	1.00	1.52
12152	18.3	13.8	100.0	60.3	13.5	1.04	1.52
12153	17.5	14.2	100.0	71.3	9.2	1.05	1.49
12154	11.2	8.7	59.7	88.7	27.8	1.02	1.49
12155	14.9	2.8	100.0	100.0	44.8	1.04	1.50
12156	9.0	6.7	100.0	31.2	9.2	1.05	1.51
12157	4.9	7.1	100.0	14.8	5.2	1.05	1.51
12158	6.4	6.6	100.0	0.0	1.1	1.03	1.54
12159	9.4	5.7	54.7	19.0	19.1	0.98	1.58
12160	10.5	8.2	0.0	64.3	21.8	0.97	1.56
12161	7.5	3.0	60.6	100.0	24.1	0.99	1.53
12162	5.1	0.0	100.0	100.0	32.8	1.00	1.53
12163	2.7	0.0	100.0	100.0	17.7	1.01	1.51
12164	0.7	1.5	100.0	100.0	4.2	1.01	1.52
12165	0.1	3.1	100.0	0.0	4.2	1.00	1.53
12166	0.2	2.9	82.9	100.0	8.2	1.01	1.52
12167	0.6	3.4	26.9	63.1	7.9	1.02	1.50
12168	1.6	0.3	100.0	100.0	20.5	1.03	1.50
12169	3.4	0.0	100.0	100.0	33.1	1.04	1.51
12171	9.4	0.0	100.0	100.0	46.5	1.02	1.52



A.F.E. MANAGEMENT----WILLKENS 1-24 CHES DCC2591  
 ALTAMONT----24-1S-5W----DUCHESE COUNTY, UTAH

DEPTH	COMP	POROSITY	SATURATIONS		SHALE	SILICON	CARBON
	CN	%	WATER-NLL	WATER-C/O	VOLUME	CALCIUM	OXYGEN
	%		%	%	%	RATIO	RATIO
12173	15.0	4.8	74.7	58.7	38.1	1.04	1.52
12174	16.3	6.3	100.0	48.6	35.8	1.02	1.55
12175	15.8	6.9	100.0	60.4	28.4	1.01	1.54
12176	17.0	2.7	100.0	100.0	45.6	1.04	1.53
12178	10.0	1.1	100.0	100.0	45.1	1.03	1.52
12179	6.2	1.8	100.0	100.0	29.6	1.02	1.49
12180	9.3	3.6	100.0	88.1	23.3	0.98	1.52
12184	17.6	8.3	100.0	76.2	32.8	1.01	1.52
12185	13.8	8.7	100.0	70.7	17.7	1.02	1.52
12186	4.2	4.1	100.0	46.2	23.4	1.02	1.53
12187	1.6	3.9	100.0	2.8	15.9	1.01	1.55
12191	19.9	9.3	86.0	91.7	37.6	0.99	1.52
12192	21.4	11.7	97.3	57.3	22.7	1.01	1.54
12193	23.2	13.7	88.8	55.7	21.1	1.03	1.54
12194	23.2	12.3	92.0	64.5	39.8	1.02	1.55
12195	21.0	11.3	95.6	57.0	39.2	1.03	1.55
12196	17.9	12.6	91.8	62.2	24.3	1.03	1.53
12197	14.4	13.9	47.7	86.4	18.5	1.01	1.51
12198	15.7	11.2	4.3	98.0	38.8	1.02	1.49
12201	10.6	7.0	100.0	73.9	24.3	1.02	1.51
12202	7.9	4.6	100.0	80.9	39.9	1.01	1.52
12203	13.5	12.3	47.9	60.8	20.7	1.03	1.52
12204	11.3	8.8	100.0	54.7	19.4	1.03	1.52
12205	4.0	3.0	100.0	38.1	30.8	1.03	1.53
12206	0.7	0.0	100.0	100.0	20.8	1.03	1.53
12207	0.1	1.3	100.0	100.0	9.5	1.04	1.50
12208	-0.1	0.0	100.0	100.0	18.4	1.04	1.50
12209	-0.1	0.0	100.0	100.0	20.7	1.03	1.53
12210	-0.1	3.0	100.0	0.0	6.6	1.04	1.50
12211	0.4	2.5	100.0	100.0	4.9	1.03	1.54
12212	1.6	2.7	93.2	100.0	11.5	1.00	1.57
12213	5.2	0.8	100.0	100.0	32.1	1.00	1.54
12214	12.8	1.8	100.0	100.0	41.4	1.01	1.54
12215	16.0	5.8	94.4	72.0	25.7	1.02	1.51
12216	20.4	4.6	100.0	92.2	46.4	1.05	1.50
12219	32.3	19.8	68.2	86.1	28.4	1.05	1.49
12220	28.0	18.5	89.3	68.9	23.1	1.03	1.53
12221	20.6	13.9	100.0	62.4	26.7	1.02	1.54
12222	17.2	10.8	61.8	83.1	38.0	1.03	1.51
12223	16.0	4.5	100.0	97.8	46.3	1.01	1.50
12233	29.3	18.6	66.6	88.1	27.2	1.02	1.51
12234	20.1	15.3	100.0	71.7	16.9	1.04	1.51
12235	15.9	13.7	100.0	47.3	12.9	1.02	1.55

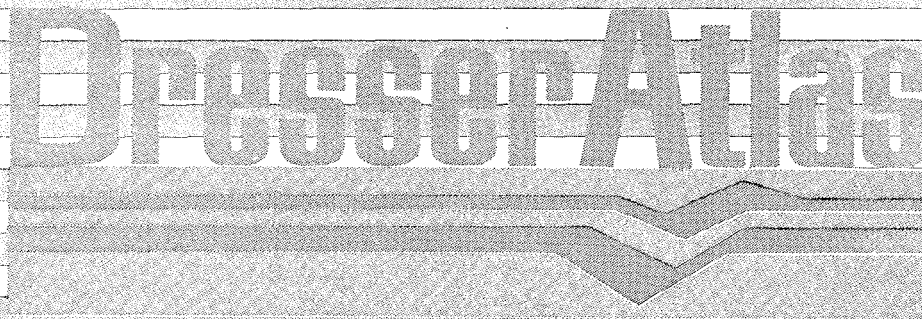
A.F.E. MANAGEMENT-----WILLKENS 1-24 CHES DCC2591  
 ALTAMONT-----24-1S-5W-----DUCHESNE COUNTY, UTAH

DEPTH	COMP	POROSITY	SATURATIONS		SHALE	SILICON	CARBON
	CN	%	WATER-NLL	WATER-C/O	VOLUME	CALCIUM	OXYGEN
	%		%	%	%	RATIO	RATIO
12236	13.4	12.2	79.9	47.8	15.5	1.04	1.53
12237	15.8	10.0	28.0	61.6	37.5	1.04	1.52
12238	10.7	4.4	100.0	96.4	40.0	1.03	1.49
12239	8.8	8.9	100.0	80.1	21.5	1.02	1.50
12240	8.3	6.5	90.5	78.0	32.8	1.01	1.52
12241	6.8	6.9	100.0	85.0	24.9	1.02	1.50
12242	3.6	7.1	100.0	48.2	12.1	1.04	1.51
12243	2.9	3.5	100.0	26.6	19.3	1.02	1.53
12244	4.1	1.6	100.0	100.0	15.8	1.01	1.55
12245	5.1	1.7	100.0	100.0	10.9	1.02	1.54
12246	6.1	2.0	100.0	100.0	15.4	1.01	1.54
12247	8.3	2.2	55.7	100.0	33.1	1.00	1.54
12248	10.9	2.8	29.8	100.0	35.9	1.00	1.57
12249	14.3	8.6	95.1	0.0	10.3	1.00	1.58
12250	9.9	7.0	100.0	0.0	6.3	1.01	1.56
12251	12.7	9.5	100.0	56.4	10.6	1.00	1.54
12252	15.9	6.6	0.0	36.8	32.8	1.01	1.57
12253	11.3	3.7	0.0	42.8	37.1	1.02	1.55
12254	7.8	0.0	100.0	100.0	46.4	1.01	1.52
12258	20.9	4.5	100.0	87.6	43.1	1.02	1.54
12259	22.8	12.5	100.0	69.2	26.7	1.02	1.53
12260	21.6	3.4	100.0	92.2	49.6	1.02	1.52
12261	21.1	4.2	100.0	89.7	43.6	1.01	1.54
12263	22.8	12.5	100.0	65.0	29.4	1.02	1.54
12264	15.0	10.2	100.0	81.9	19.3	1.02	1.50
12265	11.4	6.3	100.0	62.2	18.7	1.02	1.52
12266	16.2	2.9	100.0	100.0	42.8	1.01	1.53
12269	18.7	8.5	96.7	53.2	29.1	1.02	1.55
12272	16.6	9.1	100.0	63.1	24.9	1.04	1.51
12273	6.2	6.9	100.0	68.7	14.0	1.03	1.50
12274	7.1	2.9	100.0	100.0	41.0	1.04	1.50
12275	8.5	8.5	37.5	44.3	12.7	1.01	1.54
12276	5.9	5.7	18.6	70.1	29.8	0.99	1.54
12277	13.4	5.2	30.1	56.6	25.9	1.00	1.54
12278	10.7	8.1	100.0	53.6	6.4	1.00	1.53
12279	6.5	6.5	100.0	34.8	10.3	0.99	1.55
12280	12.8	6.5	63.6	39.8	22.6	1.01	1.55
12281	18.1	11.5	21.3	55.1	20.9	1.00	1.56
12282	21.8	12.9	38.2	63.0	29.2	1.03	1.53
12283	23.3	12.0	73.9	69.9	30.8	1.04	1.52
12284	18.1	5.0	100.0	87.4	41.6	1.04	1.53
12285	12.2	9.4	100.0	70.6	9.8	1.03	1.50
12286	2.5	4.0	100.0	52.0	13.1	1.01	1.52
12287	4.1	3.2	100.0	43.8	13.1	1.03	1.51
12288	3.5	5.1	64.5	31.0	7.5	1.06	1.49
12289	0.3	5.3	89.1	27.6	7.5	1.05	1.50



A.F.E. MANAGEMENT----WILLKENS 1-24 CHES DCC2591  
ALTAMONT----24-1S-5W----DUCHESE COUNTY, UTAH

DEPTH	COMP	POROSITY	SATURATIONS		SHALE	SILICON	CARBON
	CN	%	WATER-NLL	WATER-C/O	VOLUME	CALCIUM	OXYGEN
	%		%	%	%	RATIO	RATIO
12290	1.3	3.0	100.0	6.1	6.3	1.06	1.49
12291	3.1	5.8	9.8	91.4	9.2	1.03	1.48
12292	4.7	6.2	22.7	55.7	10.7	1.02	1.51
12293	6.1	3.6	71.1	6.2	16.5	1.03	1.53
12294	8.7	5.6	51.0	46.7	17.6	1.01	1.53
12295	12.8	9.4	66.8	46.9	16.4	1.02	1.54
12296	5.9	7.3	100.0	44.9	18.5	1.03	1.52
12297	7.5	4.3	100.0	17.4	11.0	1.02	1.53
12298	9.8	4.0	73.2	21.9	19.6	1.03	1.53
12299	11.6	3.6	0.0	55.9	31.2	1.02	1.53
12300	12.7	3.8	37.9	100.0	37.3	1.01	1.28





STATE OF UTAH  
NATURAL RESOURCES  
Oil, Gas & Mining

Scott M. Matheson, Governor  
Temple A. Reynolds, Executive Director  
Dianne R. Nielson, Ph.D., Division Director

4241 State Office Building • Salt Lake City, UT 84114 • 801-533-5771

May 15, 1984

AFE Management Limited  
372 Bay St. #208  
Toronto, Ontario, Canada M5H 2W9

RE: Well No. Wilkins 1-24A5  
API #43-013-30320  
927' FNL, 1580' FEL NW/NE  
Sec. 24, T. 1S, R. 5W.  
Duchesne County, Utah

Gentlemen:

This letter is to advise you that the back side of the "Well Completion or Recompletion Report and Log" for the above referred to well is due and has not been filed with this office as required by our rules and regulations.

Please complete the enclosed Form OGC-3 and forward it to this office as soon as possible.

We will be happy to acknowledge receipt of response to this notice if you will include an extra copy of the transmittal letter with a place for our signature, and a self addressed envelope for the return. Such acknowledgement should avoid unnecessary mailing of a firm second notice from our agency.

Your prompt attention to the above will be greatly appreciated.

Respectfully,

Claudia Jones  
Well Records Specialist

CLJ/cj

Enclosure

cc: Dianne R. Nielson, DOGM  
Ronald J. Firth, DOBM

**\* (See Instructions and Spaces for Additional Data on Reverse Side)**

# INSTRUCTIONS

**General:** This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See Instructions on items 22 and 24, and 33, below regarding separate reports for separate completions. If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.

**Item 4:** If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

**Item 18:** Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments. **Items 22 and 24:** If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

**Item 29: "Sacks Cement":** Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

**Item 33:** Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

37. SUMMARY OF POROUS ZONES: SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF: CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES				38. GEOLOGIC MARKERS		
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	MEAS. DEPTH	TRUE VERT. DEPTH
Green River Formation	10,917	11,221	swabbed, cleaned up, flowed to surface	Lower Green River Formation (log top)	11,330	-4,352
	11,321	11,863				
	11,863	12,155			13,086	-6,108

Recompletion Report on the Wilkins 1-24A5 Well  
Sec. 24, T1S R5W, Duchesne County, Utah

Mar 3-4/84 MIRU Western Rig #12. Pull 2-7/8" & 2-3/8" tubing.

Mar 5-7 Log interval 11,000' to 12,300' with Dresser Altas: carbon/oxygen log, Spectralog, Fraclog, Neutron Lifetime Log.

Mar 8 Perforate with Oil Well Perforators: 4 runs with 4" casing guns:

12,094-12,103	9 feet	11,498-11,502	4 feet
12,006-12,010	4	11,481-11,488	7
11,979-11,982	3	11,394-11,401	7
11,969-11,973	4	11,099-11,109	10
11,892-11,900	8	11,056-11,066	10
11,887-11,890	3	11,039-11,046	7
11,818-11,822	4	11,010-11,014	4
11,808-11,811	3	10,998-11,002	4
11,710-11,715	5	10,986-10,990	4
11,584-11,587	3	Total 103' @ 2SPF = 206 holes	

Mar 9 Isolate zone 11,221 to 10,917 with plug and packer. Swabbed 70 bbls fluid, 20% oil. Move plug 11,863, packer 11,321. Swabbed 85 bbls, 30% oil.

Mar 10 Flowed well back 2 hours, 27 bbls oil. Swabbed 18 bbls oil. Killed well. Move plug to 12,155, packer to 11,853. Swabbed 105 bbls, 50% oil.

Mar 11 Flowed well back one hour, 6 bbls oil. Moved plug to 11,221, packer to 10,900. Swabbed 100 bbls fluid, 60% oil.

Mar 12,13 Well flowed at 6 bbls/hr. Kill well. POOH. RIH with packer, dual string pump cavity, 2-7/8" tubing, set packer @ 10,898'. Run 2-3/8" side string. Circulate hole with triplex.

Mar 14,15 Release Western Rig #12. Drop bottom hole jet pump. Produced 276 bbls fluid in 18 hrs, 162 oil, 114 water. Well on production 2:00 pm March 15, 1984.

Mar 16-19 4 days pumping made 899 bbls oil average 225 bbls/day. No water.

7  
RECEIVED

JUN 8 1984

DIVISION OF OIL  
GAS & MINING

# A F E management limited

372 BAY STREET, SUITE 208,  
TORONTO, ONTARIO M5H 2W9  
(416) 366-4257

June 1, 1984

State of Utah Natural Resources  
4241 State Office Building  
Salt Lake City, Utah 84114  
U.S.A.

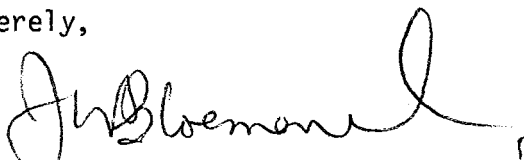
ATTENTION: CLAUDIA JONES

Dear Ms. Jones:

RE: WILKINS 1-24A5 WELL, Sec. 24, T1S R5W, Duchesne Co., Utah  
API #43-013-30320, 927' FNL, 1580' FEL NW/NE

Please find enclosed the completed copy of the "Well Completion or  
Recompletion Report and Log" as requested in your letter of May 15, 1984.  
Included also is a copy of our covering letter and a self-addressed  
envelope for your return. Thank you for bringing this to our attention.

Sincerely,



Janet W. Bloemendal, Geologist

JWB:des  
Enclosures

**STATE OF UTAH**  
**DEPARTMENT OF NATURAL RESOURCES**  
**DIVISION OF OIL, GAS, AND MINING**

SUBMIT IN TRIPLICATE\*  
 (other instructions on  
 reverse side)

## SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.  
 Use "APPLICATION FOR PERMIT—" for such proposals.)

<b>1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/></b> <b>2. NAME OF OPERATOR</b> AFE Management Inc. <b>3. ADDRESS OF OPERATOR</b> 372 Bay St. Suite 208, Toronto, Ontario, Canada M5H 2W9 <b>4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*</b> See also space 17 below.) At surface <div style="display: flex; justify-content: space-around; margin-top: 10px;"> <span>927' FNL</span> <span>1580' FE1</span> </div>		<b>5. LEASE DESIGNATION AND SERIAL NO.</b>  <b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME</b>  <b>7. UNIT AGREEMENT NAME</b>  <b>8. FARM OR LEASE NAME</b> Wilkins <b>9. WELL NO.</b> 1-24-A5 <b>10. FIELD AND POOL, OR WILDCAT</b> Altamont <b>11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA</b> Sec 24, T1S, R5W USM <b>12. COUNTY OR PARISH</b> Duchesne <b>13. STATE</b> Utah
<b>14. PERMIT NO.</b> 43-013-30320	<b>15. ELEVATIONS (Show whether DT, RT, GR, etc.)</b> 6957' GR	

**16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data**

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input checked="" type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input checked="" type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <input type="checkbox"/>	

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

**17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\***

The well was treated with 200 barrels of 1% acetic acid with silt suspender, iron sequestrant and corrosion inhibitor. Dropped 300 Balls. Flushed with 70 bbls water.

Swabbed well back and placed on production.

**18. I hereby certify that the foregoing is true and correct**

SIGNED

*[Signature]*

TITLE Agent for AFE Management

DATE 10-1-84

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

**STATE OF UTAH**  
**DEPARTMENT OF NATURAL RESOURCES**  
**DIVISION OF OIL, GAS, AND MINING**

SUBMIT IN TRIPLICATE  
 (See instructions on  
 reverse side)

## SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.  
 Use "APPLICATION FOR PERMIT—" for such proposals.)

<b>RECEIVED</b> <b>SEP 03 1985</b> <b>DIVISION OF OIL</b> <b>GAS &amp; MINING</b>		5. LEASE DESIGNATION AND SERIAL NO.  6. IF INDIAN, ALLOTTEE OR TRIBE NAME  7. UNIT AGREEMENT NAME  8. FARM OR LEASE NAME Wilkins 9. WELL NO. 1-24A5 10. FIELD AND POOL, OR WILDCAT Altamont 11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 24 T1S R5W USM 12. COUNTY OR PARISH Duchesne 13. STATE Utah
1. <input checked="" type="checkbox"/> OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER 2. NAME OF OPERATOR AFE Management Limited 3. ADDRESS OF OPERATOR 208-372 Bay St., Toronto, Ontario, Canada 4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface NW $\frac{1}{4}$ NE $\frac{1}{4}$ , Section 24, T1S R5W, USM 927' FNL, 1580' FEL 14. PERMIT NO. 43-013-30320 15. ELEVATIONS (Show whether DF, RT, OR, etc.) 6957' GR		

16. **Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data**

**NOTICE OF INTENTION TO:**

TEST WATER SHUT-OFF

X

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON\*

CHANGE PLANS


**SUBSEQUENT REPORT OF:**

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)


REPAIRING WELL

ALTERING CASING

ABANDONMENT\*


(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

An acidizing program is proposed for this well within the next week in two stages:

11,550' - 12,200' 46 feet of total perforations

10,900' - 11,550' 57 feet of total perforations

Each interval will be isolated and treated separately with 5,000 gallons of 7 $\frac{1}{2}$ % HCl and balls. Each stage will be swabbed back and cleaned up prior to putting the well back on pump.

18. I hereby certify that the foregoing is true and correct

SIGNED

Miss J. Bloembergen

TITLE

Geologist

DATE August 28/85

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:



Comp. 10-30-74

Wasatch Formations

76 complete in Wasatch

Taken over by AFF management  
12/81

3/15/84

recomplete Green R.

3/11/75

Comp. Wasatch

1/76

Recomp. Wasatch

3/84

Recomp. G. River

Currently prod. from  
G. River only.

RECEIVED  
MAY 22 1986

# A F E management limited

372 BAY STREET, SUITE 208,  
TORONTO, ONTARIO M5H 2W9  
(416) 366-4257

DIVISION OF  
OIL, GAS & MINING

May 13, 1986

State of Utah Natural Resources  
355 West North Temple  
3 Triad Center, Suite 350  
Salt Lake City, Utah 84180  
U.S.A.

ATTENTION: NORM STOUT

Gentlemen:

RE: DUCHESNE COUNTY, UTAH  
[redacted] Ikins 1-24A5 (Section 24, T1S R5W)  
Josie 1-3B5 (Section 3, T2S R5W)

As of May 2, 1986, AFE Management Limited has sold its entire interest in the above-captioned wells to TCPL Resources U.S.A. Ltd., 216-16th St., Suite 1100, Denver, CO, 80202. All future correspondence on these wells must be forwarded to them.

If you have any further questions, please contact us.

Yours truly,

  
Miss Janet Bloemendal, Geologist

JWB:deb

cc: Mari Snyder, TCPL

# A F E management limited

372 BAY STREET, SUITE 208,  
TORONTO, ONTARIO M5H 2W9  
(416) 366-4257

RECEIVED  
JUN 23 1986

June 18, 1986

DIVISION OF  
OIL, GAS & MINING

State of Utah  
Division of Oil, Gas & Mining  
355 West North Temple  
3 Triad Center, Suite 350  
Salt Lake City, Utah 84180-1203  
U.S.A.

ATTENTION: MS. ARLENE SOLLIS

Gentlemen:

RE: CERTIFICATE OF DEPOSIT  
Wilkins 1-24A5 Well  
Duchesne County, Utah

Reference is made to your letter of June 4, 1986, to Mr. Robert Holt of Larsen, Kimball, Parr & Crockett regarding AFE's interest in the captioned well.

This letter shall confirm, as stated in the Settlement Agreement dated May 2, 1986, between TCPL Resources U.S.A. Ltd. and AFE Management, that TCPL has taken over as Operator on the following wells:

Josie 1A-3B5  
Wilkins 1-24A5  
White Mule Springs 14-5

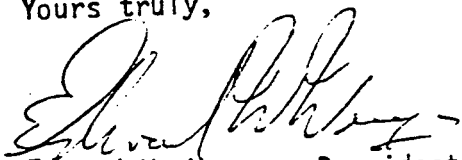
Josie 1-3B5  
Walker 2-24A5  
White Mule Springs 21-7

In addition, as stated in the said Settlement Agreement, and Assignment and Bill of Sale and Conveyance (a copy of which was sent to you by TCPL May 16, 1986), AFE specifically assigned all of its bonds and any collateral associated therewith to TCPL.

This letter shall authorize you to take any action necessary to deliver such bonds and any collateral securing such bonds including, without limitation, that Certificate of Deposit in the amount of \$10,000.00 to TCPL Resources U.S.A. Ltd.

If you have any questions, please advise. Thank you for your immediate attention to this matter.

Yours truly,



Edward W. Wenger, President

cc: Mari Snyder

2

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS, AND MINING

## SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. 43-013-30320 FEE
2. NAME OF OPERATOR TCPL Resources U.S.A. Ltd.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
3. ADDRESS OF OPERATOR 216 16th Street, Suite 1100, Denver, Colorado 80202		7. UNIT AGREEMENT NAME
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface  927' FNL & 1580' FEL, NW/4 NE/4 Section 24-T1S-R5W, U.S.B. AM		8. FARM OR LEASE NAME Wilkins
14. PERMIT NO. 43-013-30320		9. WELL NO. 1-24A5
15. ELEVATIONS (Show whether OF, RT, GR, etc.) 6957' GR		10. FIELD AND POOL, OR WILDCAT Altamont
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Section 24-T1S-R5W U.S.B. AM
		12. COUNTY OR PARISH Duchesne
		13. STATE Utah

## 16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

## NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF ☐FRACTURE TREAT ☐SHOOT OR ACIDIZE ☐REPAIR WELL ☐

(Other) Change of Operator

PULL OR ALTER CASING ☐MULTIPLE COMPLETE ☐ABANDON\* ☐CHANGE PLANS ☐☒

## SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☐FRACTURE TREATMENT ☐SHOOTING OR ACIDIZING ☐(Other) ☐REPAIRING WELL ☐ALTERING CASING ☐ABANDONMENT\* ☐

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.) \*

The operator of this well is being changed from: AFE Management Limited  
372 Bay Street, Suite 208  
Toronto, Ontario, Canada M5H 2W9

to: TCPL Resources U.S.A. Ltd.  
216 16th Street, Suite 1100  
Denver, Colorado 80202

18. I hereby certify that the foregoing is true and correct

SIGNED Owen L. StoneTITLE Operations EngineerDATE 5/16/86

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY:

TITLE \_\_\_\_\_

DATE \_\_\_\_\_

## DESIGNATION OF OPERATOR

The undersigned is, on the records of the Bureau of Land Management, holder of lease

DISTRICT LAND OFFICE: Duchesne County Office  
SERIAL No.:

RECEIVED  
JUN 23 1986

and hereby designates

NAME: TCPL Resources U.S.A. Ltd.  
ADDRESS: 216-16th St., Suite 1100  
Denver, CO 80202

DIVISION OF  
OIL, GAS & MINING

as his operator and local agent, with full authority to act in his behalf in complying with the terms of the lease and regulations applicable thereto and on whom the supervisor or his representative may serve written or oral instructions in securing compliance with the Operating Regulations with respect to (describe acreage to which this designation is applicable):

Wilkins 1-24A5  
Section 24, T1S R5W (NW $\frac{1}{4}$ NE $\frac{1}{4}$ )  
Duchesne County, Utah



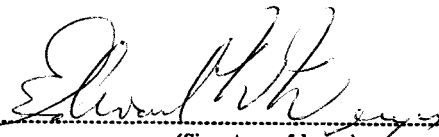
It is understood that this designation of operator does not relieve the lessee of responsibility for compliance with the terms of the lease and the Operating Regulations. It is also understood that this designation of operator does not constitute an assignment of any interest in the lease.

In case of default on the part of the designated operator, the lessee will make full and prompt compliance with all regulations, lease terms, or orders of the Secretary of the Interior or his representative.

The lessee agrees promptly to notify the supervisor of any change in the designated operator.

AFE Management Limited



  
\_\_\_\_\_  
(Signature of lessee)  
Edward W. Wenger, President  
208-372 Bay St., Toronto, Ontario  
CANADA M5H 2W9  
\_\_\_\_\_  
(Address)

June 18, 1986  
\_\_\_\_\_  
(Date)

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS, AND MINING

SUBMIT IN TRIPLICATE  
(Or instructions on  
reverse side)

**SUNDRY NOTICES AND REPORTS ON WELLS**

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for proposals.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> <i>N5000 Wessely Energy</i> FEB 12 1988		5. LEASE DESIGNATION AND SERIAL NO. <i>Pow-GRPU</i>
2. NAME OF OPERATOR <i>Badger Oil Corporation N1780</i>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME <i>021708</i>
3. ADDRESS OF OPERATOR <i>P.O. Box 52745, 1001 Pinhook, Lafayette, LA 70505</i>		7. UNIT AGREEMENT NAME
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface  <i>NW NE (927' FNL &amp; 1580' FEL) Section 24, T1S, R5W</i>		8. FARM OR LEASE NAME <i>Wilkins</i>
14. PERMIT NO. <i>43-013-30320</i>		9. WELL NO. <i>1 - 24</i>
15. ELEVATIONS (Show whether OP, RT, OR, etc.) <i>6957' Ungraded Ground</i>		10. FIELD AND POOL, OR WILDCAT <i>Altamont</i>
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA <i>Sec. 24, T1S, R5W</i>
		12. COUNTY OR PARISH <i>Duchesne</i>
		13. STATE <i>UT</i>

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETION <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <u>Change of Operator</u> <input checked="" type="checkbox"/>	
(Other) <input type="checkbox"/>		(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)	

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.) \*

This is to notify that the Change of Operator is as above. The Utah Representative is as follows:

Applied Drilling Services, Inc.  
Rt. 1 Box 1764  
Roosevelt, Utah 84066

Non operator *re*

18. I hereby certify that the foregoing is true and correct

SIGNED

TITLE

DATE

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:



We are pleased to announce  
that effective immediately  
TCPL Resources U.S.A. Ltd.  
has changed its name to  
Wessely Energy Company.

The address and phone  
number will remain:  
216-16th Street, Suite 1100,  
Denver, Colorado, 80202,  
(303) 629-7766.

1. AFE #21-7
2. Wilkins #2-24A5
3. " #1-24(A5)
4. White Mule Springs 14-5
5. Josie #1A-3B5
6. Josie #1-3B5

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS, AND MINING

SUBMIT IN TRIPLICATE  
(One Instructions on  
Reverse Side)

# SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input checked="" type="checkbox"/> Disposal Well		5. LEASE DESIGNATION AND SERIAL NO.
2. NAME OF OPERATOR Badger Oil Corporation		6. IF INDIAN, ALLOTTEE OR TRIBE NAME Ute
3. ADDRESS OF OPERATOR Rt. 3 Box 3011, Roosevelt, Utah 84066		7. UNIT AGREEMENT NAME
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface  See Below		8. FARM OR LEASE NAME All Badger Wells
14. PERMIT NO.		9. WELL NO. See Below
15. ELEVATIONS (Show whether of, RT, OR, etc.)		10. FIELD AND POOL, OR WILDCAT Bluebell
		11. SEC., T., R., M., OR BLE. AND SURVEY OR AREA
		12. COUNTY OR PARISH Duchesne/Uintah
		13. STATE Utah

## 16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

### NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETION <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>
(Other) <input type="checkbox"/>	

### SUBSEQUENT REPORT OF:

WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
(Other) <input checked="" type="checkbox"/> Water Disposal	

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.) \*

4. & 8. Eula Ute 1-16A1, Gusher 2-17B1, Bradley 1-23A1, Fred Bassett 1-22A1, Perfect Ten 1-10A1, Sam H.U. Mungus 1-15A1, Bisel Gurr 1-11A1, Maximillian Ute 1-14A3, Mr. Boom Boom 2-29A1, H.E. Mann 2-28Z2, Josie 1A-3B5, Walker 2-24A5, Wilkins 1-24A5.

42-013-30320 30W  
15, 5W, Sec. 24

Badger Oil Corporation requests permission to dispose of our produced water into R.N.I., R.N. Industries Brine Water Disposal, Section 9, T2S, R2W, Duchesne County, Utah.

Accepted by the State  
of Utah Division of  
Oil, Gas and Mining

Date: 12-13-90

By: [Signature]

18. I hereby certify that the foregoing is true and correct

SIGNED

Robert McLaren TITLE Supt.

DATE

12/13/1990

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPPLICATE\*  
(Other instructions on re-  
verse side)

Budget Bureau No. 1004-0135  
Expires August 31, 1985

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO.
2. NAME OF OPERATOR Badger Oil Corporation		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
3. ADDRESS OF OPERATOR Rt. 3 Box 3011, Roosevelt, Utah 84066		7. UNIT AGREEMENT NAME
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface  SE NW NE 927' FNL 1580' FEL Section 24 T1S R5W		8. FARM OR LEASE NAME Wilkins
12. PERMIT NO. 20 43-013-30380		9. WELL NO. 1-24A5
15. ELEVATIONS (Show whether DF, RT, GR, etc.) GR 6957'		10. FIELD AND POOL, OR WILDCAT Altamont
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 24, T1S, R5W
		12. COUNTY OR PARISH Duchesne
		13. STATE Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETION

ABANDON\*

CHANGE PLANS

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

ALTERING CASING

ABANDONMENT\*

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Perforate zones, 35 pf with 3-1/8 casing guns

11,834' - 39'  
11,794' - 02'  
11,613' - 19'  
11,541' - 45'  
11,481' - 88'  
11,444' - 50'  
11,385' - 90'  
11,268' - 72'  
11,174' - 82'  
11,026' - 30'

RECEIVED

SEP 10 1991

DIVISION OF  
OIL GAS & MINING

APPROVED BY THE STATE  
OF UTAH DIVISION OF  
OIL, GAS, AND MINING

DATE: 9/12/91

BY: J. A. Jattkau

18. I hereby certify that the foregoing is true and correct

SIGNED

Robert Morlan

TITLE

Superintendent

DATE

9-04-91

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

\*See Instructions on Reverse Side

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS, AND MINING

## SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO.
2. NAME OF OPERATOR Badger Oil Corporation		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
3. ADDRESS OF OPERATOR Rt. 3 Box 3011, Roosevelt, Utah 84066		7. UNIT AGREEMENT NAME
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface  SE NW NE 927' FNL 1580' FEL Section 24 T1S R5W		8. FARM OR LEASE NAME Wilkins
14. PERMIT NO. <u>20</u> 43-013-30380		9. WELL NO. 1-24A5
15. ELEVATIONS (Show whether OF, RT, OR, etc.) GR 6957'		10. FIELD AND POOL, OR WILDCAT Altamont
		11. SEC., T., R., M., OR BLK. AND SUBST OR AREA Section 24, T1S, R5W
		12. COUNTY OR PARISH Duchesne
		13. STATE Utah

## 16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

## NOTICE OF INTENTION TO:

## SUBSEQUENT REPORT OF:

TEST WATER SHUT-OFF ☐PULL OR ALTER CASING ☐WATER SHUT-OFF ☐REPAIRING WELL ☐FRACTURE TREAT ☐MULTIPLE COMPLETE ☐FRACTURE TREATMENT ☐ALTERING CASING ☐SHOOT OR ACIDIZE ☒ABANDON\* ☐SHOOTING OR ACIDIZING ☐ABANDONMENT\* ☐REPAIR WELL ☐CHANGE PLANS ☐(Other) ☐

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

## 17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Perforate zones, 35 pf with 3-1/8 casing guns

11,834' - 39'  
 11,794' - 02'  
 11,613' - 19'  
 11,541' - 45'  
 11,481' - 88'  
 11,444' - 50'  
 11,385' - 90'  
 11,268' - 72'  
 11,174' - 82'  
 11,026' - 30'

APPROVED BY THE STATE  
OF UTAH DIVISION OF  
OIL, GAS, AND MININGDATE: 9/12/91

SEP 10 1991

BY: [Signature]DIVISION OF  
OIL GAS & MINING

## 18. I hereby certify that the foregoing is true and correct

SIGNED [Signature]

TITLE \_\_\_\_\_

DATE 9-6-91

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_

TITLE \_\_\_\_\_

DATE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY:

SERVICE  
TICKET

L 68699-4

Cust. ID

Service Location

Well No. &amp; Farm

Houston, Texas 77242-2800

County

State

Within: City/Offshore Block

Date

Charge To

Owner

Contractor

Assisting Location

Address

Cust. Order No.

Referral Loc.

Well Type

Well Category

City, State, Zip

Type and Purpose of Job

Price Schedule

Max. Serv. Depth

Casing Depth

Tubing Size

Casing Size

Drill Bit Size

Gun Size

Truck/Skid No.

Truck/Skid Type

Mud Weight

Mud Type

Well Pressure

Bottom Hole Temp.

Code

API Code

Hole Type

We certify that the Fair Labor Standards Act of 1938, as amended, has been complied with in the production of goods and/or with respect to services furnished covered by this invoice.

PAYMENT TERMS: Invoice payable NET by the 20th of the following month after date of invoice. Upon Customer's default in payment of Customer's account by the last day of the month following the month in which the invoice is dated, Customer agrees to pay interest thereon after default at the highest lawful contract rate applicable but never to exceed 18% per annum. In the event it becomes necessary to employ an attorney to enforce collection of said account, Customer agrees to pay all collection costs and attorney fees in the amount of 20% of the amount of the unpaid account. See Work Order Contract for additional Terms and Conditions.

Previous Ticket: L

Price Reference /	Secondary Reference	Assist LOC	Description	Depth		Units		Unit Price	Amount	
				From	To	Qty	Meas.			
750500			SERVICE CH			1	EA		865	00
751100			PACK OF	0	1000	1000	BT		200	00
757206			Silent Free SW			10	EA		750	00
757300			4" Hollow Carrier	11026	11030	12				
				11174	11182	24				
				11068	11272	12				
				11385	11390	15				
				11444	11450	18				
				11481	11488	31				
				11541	11545	12				
				11613	11619	18				
				11744	11752	24				
				11834	11839	15				
						171	Hds		10250	00

Received by Customer: Field Prints ( ) Film ( ) Tape ( )

Book  
Price

17065 00

DISCOUNT 33%

Sub  
Total

7342 25

Miscellaneous Information

Applicable Taxes Will  
Be Added On Invoice

75632

Emp. #

Engineer/Operator No. 1

Engineer/Operator No. 2

Emp. #

Customer or His Agent (Please Print)

The Above Job Was

Satisfactorily Performed

Customer or His Agent (Signature)

District Manager

DISTRICT



REMIT TO:  
P.O. BOX 951046  
DALLAS, TX 75395-1046

INVOICE

INVOICE NO.	DATE
HI 168595	08/22/1991

WELL LEASE NO.		WELL LOCATION		STATE	WELL OWNER		
WILLKENS 1-24		DUCHESNE		UT	SAME		
SERVICE LOCATION		CONTRACTOR		JOB PURPOSE		TICKET DATE	
VERNAL				PERFORATING		08/22/1991	
ACCT. NO.	CUSTOMER AGENT		VENDOR NO.	CUSTOMER P.O. NUMBER		SHIPPED VIA	FILE NO.
043300	ROBERT MORLAN					COMPANY TRUCK	21107

BADGER OIL CORP  
ROUTE #3, BOX 3011  
ROOSEVELT, UT 84066

DIRECT CORRESPONDENCE TO:  
HALLIBURTON LOGGING SERVICES  
410 17TH STREET  
SUITE 520  
DENVER, CO 80202-4410

PRICE REF. NO.	DESCRIPTION	QUANTITY	U/M	UNIT PRICE	AMOUNT
PRICING AREA - HLS LAND					
750-500	SERVICE CHARGE - CASSED HOLE	1	EA	865.00	865.00
751-100	PACK OFF	1000	PSI	200.00	200.00
		1	DAY		
757-206	SELECTIVE FIRE ADAPTER	10	EA	75.00	750.00
757-300	PERF CASING GUNS PREMIUM CHG	11835	FT	10,250.00	10,250.00
		171	SH		
INVOICE SUBTOTAL					12,065.00
DISCOUNT - (BID)					4,222.75
INVOICE BID AMOUNT					7,842.25
INVOICE TOTAL - PLEASE PAY THIS AMOUNT					\$7,842.25

TERMS INVOICES PAYABLE NET BY THE 20TH OF THE FOLLOWING MONTH AFTER DATE OF INVOICE. UPON CUSTOMER'S DEFAULT IN PAYMENT OF CUSTOMER'S ACCOUNT BY THE LAST DAY OF THE MONTH FOLLOWING THE MONTH IN WHICH THE INVOICE IS DATED, CUSTOMER AGREES TO PAY INTEREST THEREON AFTER DEFAULT AT THE HIGHEST LAWFUL CONTRACT RATE APPLICABLE BUT NEVER TO EXCEED 18% PER ANNUM. IN THE EVENT IT BECOMES NECESSARY TO EMPLOY AN ATTORNEY TO ENFORCE COLLECTION OF SAID ACCOUNT, CUSTOMER AGREES TO PAY ALL COLLECTION COSTS AND ATTORNEY FEES IN THE AMOUNT OF 20% OF THE AMOUNT OF THE UNPAID ACCOUNT.



BADGER OIL CORPORATION  
WILKINS 1-24A5

08/20/91 (Day #1) Move in, rig up service unit. Nipple down wellhead, nipple up BOPs. Unstring 2-3/8" sidestring. Pull out of hole with 177 joints 2-3/8" 8rd tubing, 174 ACME 8 and National stinger. Change trip equipment. Run in hole with sandline. Shear standing valve, release Arrowset 1 packer at 10,865'. Pull out of hole with 336 joints 2-7/8" CS Hydril tubing, five joints 2-7/8" 8rd tubing, National dual string cavity, one joint 2-7/8" 8rd tubing, 7-5/8" Arrowset packer and two joints 2-7/8" 8rd tubing. Secure for night. Daily Cost-\$3,154.

08/21/91 (Day #2) Pick up 6.5" mill and 7-5/8" casing scraper. Run in hole to 12,970', encountered slight scale build up. Circulate clean. Pull out of hole, hang down 2-7/8" PH6. Continue out of hole, laying down mill and scraper. Daily Cost-\$3,915. Cume Cost-\$7,069.

08/22/91 (Day #3) Rig up Halliburton Logging Service. Perforate 3 spf with 4" casing guns: 11026-30; 11174-82; 11268-72; 11385-90; 11444-50; 11481-88; 11541-45; 11613-19; 11744-52; 11834-39; 171 holes, 57'. Rig down Halliburton Logging Service. Pick up, run in hole with two joints 2-7/8" EUE tubing, 7-5/8" Arrowset 1 packer, one joint 2-7/8" EUE tubing, National dual string cavity, five joints 2-7/8" tubing and 336 joints CSS hydrill tubing. Set packer at 10,865' with 3000# tension. Drop standing valve, pump to seat. Pressure test to 1000#. Secure for night. Daily Cost-\$14,960. Cume Cost-\$22,029.

08/23/91 (Day #4) Change trip equipment to 2-3/8". Make National Sting. Run in hole with 2-3/8" sidiestring, 177 2-3/8" 8rd tubing and 174 joints ACME 8 buttress. Space out sidestring with 6000# compression. Nipple down BOP, nipple up wellhead. Pressure test to 3500#. Circulate 50 bbls formation water down 2-7/8". Drop pump PL1 and pump to cavity. Daily Cost-\$3,296. Cume Cost-\$25,325.

08/24/91 (Day #5) Well down on high discharge. Restart and reset pressure. Rig down, move out service unit and equipment. Daily Cost-\$932. Cume Cost-\$26,257.

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS, AND MINING

## SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO.	
2. NAME OF OPERATOR Badger Oil Corporation		6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
3. ADDRESS OF OPERATOR Rt. 3 Box 3011, Roosevelt, Utah 84066		7. UNIT AGREEMENT NAME	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface  SE NW NE 927' FNL 1580' FEL Section 24 T1S R5W		8. FARM OR LEASE NAME Wilkins	
14. PERMIT NO. 43-013-30320		9. WELL NO. 1-24A5	
15. ELEVATIONS (Show whether OF, RT, GR, etc.) GR 6957'		10. FIELD AND POOL, OR WILDCAT Altamont	
		11. SEC., T., R., M., OR BLE. AND SURVEY OR AREA Section 24, T1S R5W	
		12. COUNTY OR PARISH Duchesne	13. STATE Utah

16.

## Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

## NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF ☐FRACTURE TREAT ☐SHOOT OR ACIDIZE ☐REPAIR WELL ☐(Other) ☐PULL OR ALTER CASING ☐MULTIPLE COMPLETE ☐ABANDON\* ☐CHANGE PLANS ☐

## SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☐FRACTURE TREATMENT ☐SHOOTING OR ACIDIZING ☐(Other) ☐REPAIRING WELL ☐ALTERING CASING ☐ABANDONMENT\* ☐(Note: Report results of multiple completion on Well  
Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.) \*

We hereby apply to have this workover approved under HB 110.

Please see attached reports.

RECEIVED

DEC 06 1991

DIVISION OF  
OIL GAS & MINING

18. I hereby certify that the foregoing is true and correct

SIGNED

*Robert Morley*

TITLE

*Superintendent*

DATE

*12-3-91*

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS, AND MINING

## SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO.	
2. NAME OF OPERATOR Badger Oil Corporation		6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
3. ADDRESS OF OPERATOR Rt. 3 Box 3011, Roosevelt, Utah 84066		7. UNIT AGREEMENT NAME	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface  SE NW NE 927' FNL 1580' FEL Section 24 T1S R5W		8. FARM OR LEASE NAME Wilkins	
14. PERMIT NO. 43-013-30380		9. WELL NO. 1-24A5	
15. ELEVATIONS (Show whether DP, RT, OR, etc.) GR 6957'		10. FIELD AND POOL, OR WILDCAT Altamont	
		11. SEC., T., R., M., OR S.E. AND SURVEY OR AREA Section 24, T1S, R5W	
		12. COUNTY OR PARISH Duchesne	
		13. STATE Utah	

## 16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

## NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF ☐FRACTURE TREAT ☐SHOOT OR ACIDIZE ☒REPAIR WELL ☐(Other) ☐PULL OR ALTER CASING ☐MULTIPLE COMPLETE ☐ABANDON\* ☐CHANGE PLANS ☐

## SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☐FRACTURE TREATMENT ☒SHOOTING OR ACIDISING ☒(Other) ☐REPAIRING WELL ☐ALTERING CASING ☐ABANDONMENT\* ☐

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

## 17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Perforate zones, 35 pf with 3-1/8 casing guns

11,834' - 39'  
 11,794' - 02'  
 11,613' - 19'  
 11,541' - 45'  
 11,481' - 88'  
 11,444' - 50'  
 11,385' - 90'  
 11,268' - 72'  
 11,174' - 82'  
 11,026' - 30'

RECEIVED

SEP 10 1991

DEC 10 1991

DIVISION OF  
OIL GAS & MININGAPPROVED BY THE  
OF UTAH DIVISION OF  
OIL, GAS, AND MINING

DATE: 9/12/91

SEP 10 1991

BY: [Signature]

DIVISION OF  
OIL GAS & MINING

## 18. I hereby certify that the foregoing is true and correct

SIGNED

[Signature]

TITLE

DATE

9-691

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS, AND MINING

## SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER		5. LEASE DESIGNATION AND SERIAL NO.	
2. NAME OF OPERATOR Badger Oil Corporation		6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
3. ADDRESS OF OPERATOR C/O Applied Drilling Services, Inc. Rt. 3 Box 3010 Roosevelt, Utah 84066		7. UNIT AGREEMENT NAME	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface SE NW NE 927' FNL 1580' FEL Section 24 T1S R5W		8. FARM OR LEASE NAME Wilkins	
14. PERMIT NO. 43-013-30320		9. WELL NO. 1-24A5	
15. ELEVATIONS (Show whether OF, RT, GR, etc.) GR 6957'		10. FIELD AND POOL, OR WILDCAT Altamont	
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 24, T1S, R5W	
		12. COUNTY OR PARISH Duchesne	13. STATE Utah

## 16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

## NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF	<input type="checkbox"/>	PULL OR ALTER CASING	<input type="checkbox"/>
FRACTURE TREAT	<input type="checkbox"/>	MULTIPLE COMPLETE	<input type="checkbox"/>
SHOOT OR ACIDIZE	<input type="checkbox"/>	ABANDON*	<input type="checkbox"/>
REPAIR WELL	<input type="checkbox"/>	CHANGE PLANS	<input type="checkbox"/>
(Other)	<input type="checkbox"/>		<input type="checkbox"/>

## SUBSEQUENT REPORT OF:

WATER SHUT-OFF	<input type="checkbox"/>	REPAIRING WELL	<input type="checkbox"/>
FRACTURE TREATMENT	<input type="checkbox"/>	ALTERING CASING	<input type="checkbox"/>
SHOOTING OR ACIDIZING	<input type="checkbox"/>	ABANDONMENT*	<input type="checkbox"/>
(Other)	<input type="checkbox"/>		<input type="checkbox"/>

(NOTE: Report results of multiple completion on Well  
Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Clean out oil and wax from casing, repair leaks so well can produce  
without losing fluid.

We hereby apply for credit for this workover under HB110.

APPROVED BY THE  
OF UTAH DIVISION OF  
OIL, GAS, AND MINING

RECEIVED

DATE: 11-25-92 NOV 24 1992

BY: J. R. J. DIVISION OF  
OIL GAS & MINING

18. I hereby certify that the foregoing is true and correct

SIGNED: Cory Smith by line TITLE: \_\_\_\_\_ DATE: 11/10/92

(This space for Federal or State office use)

APPROVED BY: \_\_\_\_\_ TITLE: \_\_\_\_\_ DATE: \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY:

WILKINS 1-24A5  
October 20, 1992

10/20/92 MIRUSU. SDFN

Hot Oiler/Trucking	\$0
Rental (BOP)	\$0
Rig	\$477
Supervision	\$200
Trucking	\$155
Other	\$0
Contingency	\$42
Daily total	\$874
Cume. Total:	\$874

10/21/92 Nipple down wellhead. Inspect tubing hangers and replace "D" rings. Hangers and bowl in good shape however hangers are not correct for bowl. Pressure test both strings of tubing, fluid began to come up backside. Nipple up BOP. Drop ball down 2 3/8" tubing and attempt to pressure test. Pump 55 bbl of water, well circulating at 700 psi. POOH with 88 stds 2 3/8" 8 rnd. SDFN.

Hot Oiler/Trucking	\$420
Rental (BOP)	\$135
Rig	\$2,099
Supervision	\$450
Trucking	\$155
Other	\$0
Contingency	\$163
Daily total	\$3,422
Cume. Total:	\$4,296

10/22/92 POOH with 175 jts Acme 8, 2 3/8" sidestring and stinger. Stinger did not show any definite signs of fluid bypass. RU Delsco and fish pump through heavy oil. Pump 35 bbl hot production water to clean tubing. Pump dummy pump to bottom and pressure test 2 7/8" tubing to 3,000 psi, good test. Fish dummy pump, RIH and punch SV.

Hot Oiler/Trucking	\$595
Rental (BOP)	\$135
Rig	\$1,778
Supervision	\$450
Trucking	\$552
Other	\$810
Contingency	\$213
Daily total	\$4,478
Cume. Total:	\$8,774

10/23/92 Release packer and POOH with 200 jts. Heavy drag with packer, pump 150 bbl to flush hole. Continue to POOH with 136 jts CS - Hydril, 5 jts 2 7/8" 8 rnd, National dual cavity, 1 jt 2 7/8" 8 rnd, Arrowset I and 2 jts 2 7/8" 8 rnd tail pipe. LD packer and cavity. RIH with 2 jts, replacement Arrowset I, 1 jt 8 rnd, National dual string cavity (rebuild) and 2 jts 8 rnd. Rig hydraulic pump failed. SDFN. Old National cavity did not test.

Hot Oiler/Trucking	\$0
Rental (BOP)	\$135
Rig	\$1,498
Supervision	\$450
Trucking	\$0
Other	\$0
Contingency	\$104
Daily total	\$2,187
Cume. Total:	\$10,961

10/26/92 Repair hydraulic system. RIH with 318 jts 2 7/8", broach tubing every 40 jts. SDFN.

Hot Oiler/Trucking	\$0
Rental (BOP)	\$135
Rig	\$1,100
Supervision	\$250
Trucking	\$0
Other	\$0
Contingency	\$74
Daily total	\$1,559
Cume. Total:	\$12,520

10/27/92 RIH with 2 7/8" tubing. Set MSOT Arrowset I packer at 10,831' with 10,000 lbs. tension. Pump 30 bbl production water, drop SV and circulate 300 bbl to treater to clean hole. PU National stinger and RIH with 2 3/8" side string and land with 6,000 lbs compression. Nipple down BOP, redress wellhead, pressure test to 3,500 psi. Pressure test tubing and cavity to 2,500 psi, all ok. Circulate well to heat. RDMOSU next am.

Hot Oiler/Trucking	\$0
Rental (BOP)	\$135
Rig	\$2,293
Supervision	\$450
Martaco	\$1,000
Other	\$0
Contingency	\$194
Daily total	\$4,072
Cume. Total:	\$16,592



Division of Oil, Gas and Mining  
OPERATOR CHANGE WORKSHEET

Routing:

1- <del>REC</del> 7-PL
2-LWP 8-SJ
3-DTS 9-FILE
4-VLC
5-RJF
6-LWP

Attach all documentation received by the division regarding this change.  
Initial each listed item when completed. Write N/A if item is not applicable.

☒ Change of Operator (well sold) ☐ Designation of Agent  
☐ Designation of Operator ☐ Operator Name Change Only

The operator of the well(s) listed below has changed (EFFECTIVE DATE: 5-1-95)

TO (new operator) UINTA OIL & GAS  
(address) PO BOX 1618  
ROOSEVELT UT 84066  
CRAIG PHILLIPS  
phone (801) 722-3000  
account no. N 2945

FROM (former operator) BADGER OIL CORPORATION  
(address) PO BOX 52745  
LAFAYETTE LA 70505  
phone (318) 233-9200  
account no. N 1780

Well(s) (attach additional page if needed):

Name: <u>WALKER 2-24A5/GR-WS</u>	API: <u>43-013-31085</u>	Entity: <u>218</u>	Sec <u>24</u> Twp <u>1S</u> Rng <u>5W</u>	Lease Type: <u>FEE</u>
Name: <u>WILKINS 1-24A5/GR-WS</u>	API: <u>43-013-30320</u>	Entity: <u>205</u>	Sec <u>24</u> Twp <u>1S</u> Rng <u>5W</u>	Lease Type: <u>FEE</u>
Name: <u>JOSIE 1A-3B5/GR-WS</u>	API: <u>43-013-30677</u>	Entity: <u>216</u>	Sec <u>3</u> Twp <u>2S</u> Rng <u>5W</u>	Lease Type: <u>FEE</u>
Name: <u>JOSIE 1-3B5/GR-WS</u>	API: <u>43-013-30273</u>	Entity: <u>215</u>	Sec <u>3</u> Twp <u>2S</u> Rng <u>5W</u>	Lease Type: <u>FEE</u>
Name: _____	API: _____	Entity: _____	Sec _____ Twp _____ Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____ Twp _____ Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____ Twp _____ Rng _____	Lease Type: _____

OPERATOR CHANGE DOCUMENTATION

- Lee 1. (Rule R615-8-10) Sundry or other legal documentation has been received from former operator (Attach to this form). (Rec'd 7-6-95)
- Lee 2. (Rule R615-8-10) Sundry or other legal documentation has been received from new operator (Attach to this form). (Rec'd 6-2-95)
- N/A 3. The Department of Commerce has been contacted if the new operator above is not currently operating any wells in Utah. Is company registered with the state? (yes/no) \_\_\_\_\_ If yes, show company file number: \_\_\_\_\_.
- N/A 4. (For Indian and Federal Wells ONLY) The BLM has been contacted regarding this change (attach Telephone Documentation Form to this report). Make note of BLM status in comments section of this form. Management review of Federal and Indian well operator changes should take place prior to completion of steps 5 through 9 below.
- Lee 5. Changes have been entered in the Oil and Gas Information System (Wang/IBM) for each well listed above. (7-7-95)
- LWP 6. Cardex file has been updated for each well listed above. 7-12-95
- LWP 7. Well file labels have been updated for each well listed above. 7-12-95
- Lee 8. Changes have been included on the monthly "Operator, Address, and Account Changes" memo for distribution to State Lands and the Tax Commission. (7-7-95)
- Lee 9. A folder has been set up for the Operator Change file, and a copy of this page has been placed there for reference during routing and processing of the original documents.

### ENTITY REVIEW

- Yes 1. (Rule R615-8-7) Entity assignments have been reviewed for all wells listed above. Were entity changes made? (yes/no) no (If entity assignments were changed, attach copies of Form 6, Entity Action Form).
- N/A 2. State Lands and the Tax Commission have been notified through normal procedures of entity changes.

### BOND VERIFICATION (Fee wells only) IDLOC #7065 / \$80,000 "Zions First Nat'l Bank"

- Yes 1. (Rule R615-3-1) The new operator of any fee lease well listed above has furnished a proper bond.
2. A copy of this form has been placed in the new and former operators' bond files. *\* Upon compl. of routing.*
- Yes 3. The former operator has requested a release of liability from their bond (yes/no) no. Today's date June 5, 1995. If yes, division response was made by letter dated    19  .

### LEASE INTEREST OWNER NOTIFICATION RESPONSIBILITY

- N/A 1. (Rule R615-2-10) The former operator/lessee of any **fee lease** well listed above has been notified by letter dated    19  , of their responsibility to notify any person with an interest in such lease of the change of operator. Documentation of such notification has been requested. *7/14/95 DT No longer doing this*
- N/A 2. Copies of documents have been sent to State Lands for changes involving **State leases**.

### FILMING

1. All attachments to this form have been microfilmed. Date: July 21 1995.

### FILING

1. Copies of all attachments to this form have been filed in each well file.
2. The original of this form and the original attachments have been filed in the Operator Change file.

### COMMENTS

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING

<p align="center"><b>SUNDRY NOTICES AND REPORTS ON WELLS</b></p> <p align="center">(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)</p>		<p>5. LEASE DESIGNATION &amp; SERIAL NO.</p>	
<p>1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/></p>		<p>6. IF INDIAN ALLOTTEE OR TRIBE NAME</p>	
<p>2. NAME OF OPERATOR Uinta Oil &amp; Gas, Inc.</p>		<p>7. UNIT AGREEMENT NAME</p>	
<p>3. ADDRESS OF OPERATOR P.O. Box 1618, Roosevelt, Utah 84066</p>		<p>8. FARM OR LEASE NAME Wilkins</p>	
<p>4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface SE, NW, NE 927' FNL - 1580' FEL</p>		<p>9. WELL NO. 1-24A5</p>	
<p>10. FIELD AND POOL, OR WILDCAT Altamont</p>		<p>11. SEC., T., R., M. OR BLK. AND SURVEY OR AREA Section 24, T1S, R5W</p>	
<p>14. API NO. 43-013-30320</p>	<p>15. ELEVATIONS (Show whether OF, RT, GR, etc.) GR 6957'</p>	<p>12. COUNTY Duchesne</p>	<p>13. STATE Utah</p>

16. Check Appropriate Box To Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	FULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <u>Change of Operator</u> <input checked="" type="checkbox"/>	
(Other) <input type="checkbox"/>		(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)	
APPROX. DATE WORK WILL START <u>May 1, 1995</u>		DATE OF COMPLETION _____	

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

\* Must be accompanied by a cement verification report.

Uinta Oil & Gas, Inc., effective May 1, 1995 will be the owner and operator of the above well under Utah Statewide Bond # 7065. Please release Badger's Bond # 178. Please send all reports and correspondence regarding this well to Uinta Oil & Gas, Inc. at the above address. Furthermore, Uinta will be responsible for all reporting effective May 1, 1995.

**RECEIVED**  
JUN 02 1995

**DIVISION OF  
OIL, GAS & MINING**

Contact Person: Craig Phillips, 801-722-3000

18. I hereby certify that the foregoing is true and correct

SIGNED

*Craig Phillips*

TITLE President

DATE 5/31/95

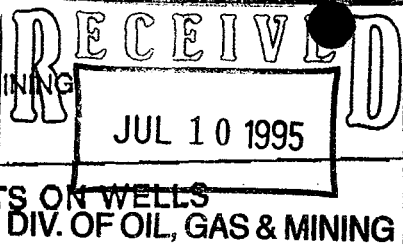
(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_

TITLE \_\_\_\_\_

DATE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY:

STATE OF UTAH  
DIVISION OF OIL, GAS AND MININGSUNDY NOTICES AND REPORTS ON WELLS  
DIV. OF OIL, GAS & MINING

Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells.  
Use APPLICATION FOR PERMIT TO DRILL OR DEEPEN form for such proposals.

1. Type of Well: OIL ☒ GAS ☐ OTHER:

2. Name of Operator: Badger Oil Corporation

3. Address and Telephone Number:

P. O. Box 52745; Lafayette, LA 70505; 318/233-9200

4. Location of Well: SE, NW, NE 927' FNL - 1580' FEL  
Footage:

OO, Sec., T., R., M.: Section 24, T1S-R5W

5. Lease Designation and Serial Number:

6. If Indian, Allottee or Tribe Name:

7. Unit Agreement Name:

8. Well Name and Number:

Wilkins 1-24A5

9. API Well Number:

43-013-30320

10. Field and Pool, or Wildcat:

Altamont

County: Duchesne

State: Utah

## 11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

NOTICE OF INTENT  
(Submit in Duplicate)

- |  |   |
|--|---|
| <input type="checkbox"/> Abandon                   | <input type="checkbox"/> New Construction     |
| <input type="checkbox"/> Repair Casing             | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans           | <input type="checkbox"/> Recomplete           |
| <input type="checkbox"/> Convert to Injection      | <input type="checkbox"/> Perforate            |
| <input type="checkbox"/> Fracture Treat or Acidize | <input type="checkbox"/> Vent or Flare        |
| <input type="checkbox"/> Multiple Completion       | <input type="checkbox"/> Water Shut-Off       |
| <input type="checkbox"/> Other _____               |   |

Approximate date work will start May 1, 1995SUBSEQUENT REPORT  
(Submit Original Form Only)

- |   |   |
|---|---|
| <input type="checkbox"/> Abandon*                                   | <input type="checkbox"/> New Construction     |
| <input type="checkbox"/> Repair Casing                              | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans                            | <input type="checkbox"/> Perforate            |
| <input type="checkbox"/> Convert to Injection                       | <input type="checkbox"/> Vent or Flare        |
| <input type="checkbox"/> Fracture Treat or Acidize                  | <input type="checkbox"/> Water Shut-Off       |
| <input checked="" type="checkbox"/> Other <u>Change of Operator</u> |   |

Date of work completion \_\_\_\_\_

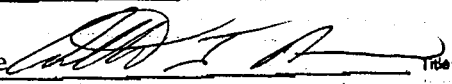
Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION REPORT AND LOG form.

\* Must be accompanied by a cement verification report.

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Badger Oil Corporation has sold all its right, title and interest in and to the above described property to Uinta Oil & Gas, Inc.; P. O. Box 1618, Roosevelt, Utah 84066, effective May 1, 1995.

13.

Name & Signature: Arthur J. Price  Title: Vice President Date: 7-6-95

(This space for State use only)

## OPERATOR CHANGE WORKSHEET

## ROUTING

1. GLH		4-KAS
2. CDW	✓	5-SJ
3. JLT		6-FILE

Enter date after each listed item is completed

**X Change of Operator (Well Sold)**

Designation of Agent

Operator Name Change (Only)

Merger

The operator of the well(s) listed below has changed, effective: **9/1/1999**

<b>FROM: (Old Operator):</b>
ERHC/BASS AMERICAN PETROLEUM COMPANY
Address: P. O. BOX 1574
ROOSEVELT, UT 84066
Phone: 1-(435)-722-2992
Account No. N8210

<b>TO: (New Operator):</b>
MOUNTAIN OIL INC
Address: P. O. BOX 1574
ROOSEVELT, UT
Phone: 1-(435)-722-2992
Account No. N5495

CA No.

Unit:

**WELL(S)**

NAME	API NO.	ENTITY NO.	SEC. TWN RNG	LEASE TYPE	WELL TYPE	WELL STATUS
DYE HALL 1-21A1	43-013-31163	10713	21-01S-01W	FEE	OW	P
LAWSON 1-21A1	43-013-30738	935	21-01S-01W	FEE	OW	S
NIELSON 1-20B1	43-013-30740	673	20-02S-01W	FEE	OW	P
MYRIN RANCH # 1	43-013-30176	1091	20-02S-03W	FEE	OW	P
WILKINS 1-24A5	43-013-30320	205	24-01S-05W	FEE	OW	S
WALKER 2-24A5	43-013-31085	218	24-01S-05W	FEE	OW	S
JOSIE 1-3B5	43-013-30273	215	03-02S-05W	FEE	OW	S
JOSIE 1A-3B5	43-013-30677	216	03-02S-05W	FEE	OW	S
FAUSETT 1-26A1E	43-047-30821	870	26-01S-01E	FEE	OW	P

**OPERATOR CHANGES DOCUMENTATION**

1. (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 03/05/2001
2. (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 03/05/2001
3. The new company has been checked through the **Department of Commerce, Division of Corporations Database** on: 03/07/2001
4. Is the new operator registered in the State of Utah: YES Business Number: 3-301306-0
5. If **NO**, the operator was contacted on: N/A
6. **Federal and Indian Lease Wells:** The BLM and or the BIA has approved the (merger, name change, or operator change for all wells listed on Federal or Indian leases on: N/A
7. **Federal and Indian Units:** The BLM or BIA has approved the successor of unit operator for wells listed on: N/A

8. **Federal and Indian Communization Agreements ("CA"):** The BLM or the BIA has approved the operator change for all wells listed involved in a CA on: N/A

9. **Underground Injection Control ("UIC") Prog:** The Division has approved UIC Form 5, **Transfer of Authority to Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: N/A

---

**DATA ENTRY:**

1. Changes entered in the **Oil and Gas Database** on: 03/07/2001
2. Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 03/07/2001
3. Bond information entered in RBDMS on: 03/07/2001
4. Fee wells attached to bond in RBDMS on: 03/07/2001

---

**STATE BOND VERIFICATION:**

1. State well(s) covered by Bond No.: N/A

---

**FEE WELLS - BOND VERIFICATION/LEASE INTEREST OWNER NOTIFICATION:**

1. (R649-3-1) The **NEW** operator of any fee well(s) listed has furnished a bond No: LOC '00762
2. The **FORMER** operator has requested a release of liability from their bond on: 09/08/00  
The Division sent response by letter on: 03/08/2001
3. (R649-2-10) The **FORMER** operator of the Fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: 03/08/2001

---

**FILMING:**

1. All attachments to this form have been **MICROFILMED** on: 3-26-01

---

**FILING:**

1. **ORIGINALS/COPIES** of all attachments pertaining to each individual well have been filled in each well file on: \_\_\_\_\_

---

**COMMENTS:**

---

---

---

---

---

---

---

---

---

---



STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

<b>SUNDRY NOTICE AND REPORTS ON WELLS</b> Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells Use APPLICATION FOR PERMIT -- for such proposals		6. Lease Designation and Serial Number <u>Free</u>
1. Title of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other		7. Indian Allottee or Tribe Name
2. Name of Operator <b>ERHC/ Bass American Petroleum Company</b>		8. Unit or Communitization Agreement
3. Address and Telephone No. <b>PO Box 1574 Roosevelt, UT 84066</b>		9. Well Name and Number <b>Wilkins 1-24A5</b>
4. Telephone Number <b>435-722-2992</b>		10. API Well Number <b>43-013-30320</b>
5. Location of Well <b>Footage</b>		11. Field and Pool, or Exploratory Area <b>55 Altamont</b>

County: Duchesne

QQ, Sec. T.,R.,M.: T1S, R 5W, Sec. 24, NWNE, USM

State: Utah

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA			
NOTICE OF INTENT (Submit in Duplicate)		SUBSEQUENT REPORT (Submit Original Form Only)	
<input type="checkbox"/> Abandonment	<input type="checkbox"/> New Construction	<input type="checkbox"/> Abandonment	<input type="checkbox"/> New Construction
<input type="checkbox"/> Casing Repair	<input type="checkbox"/> Pull or Alter Casing	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> Pull or Alter Casing
<input type="checkbox"/> Change of Plans	<input type="checkbox"/> Recompletion	<input type="checkbox"/> Change of Plans	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Conversion to Injection	<input type="checkbox"/> Shoot or Acidize	<input type="checkbox"/> Conversion to Injection	<input type="checkbox"/> Shoot or Acidize
<input type="checkbox"/> Fracture Test	<input type="checkbox"/> Vent or Flare	<input type="checkbox"/> Fracture Test	<input type="checkbox"/> Vent or Flare
<input type="checkbox"/> Multiple Completion	<input type="checkbox"/> Water Shut-Off	<input type="checkbox"/> Multiple Completion	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Other __ Change of Operator		<input type="checkbox"/> Other _____	
Approximate Date Work Will Start _____		Date of Work Completion _____	
		Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION AND LOG FORM.	
		*Must be accompanied by a cement verification report	

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface location and measured and true vertical depths for all markers and zones pertinent to this work.

Please note effective September 1, 1999, ERHC/ Bass American Petroleum Company relinquishes operatorship of the Wilkins 1-24A5 Well. Please release ERHC/ Bass American Petroleum Company's bond # 7618020. ERHC/ Bass American Petroleum Company relinquishes to Mountain oil, Inc., PO Box 1574, Roosevelt, Utah 84066. Under Mountain Oil, Inc.'s bond #00762

Contact Person: Julie Jensen

14. I hereby certify that the foregoing is true and correct

Signed Julie Jensen Title Agent Date 9/8/00

Julie Jensen

(State Use Only)

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

<b>SUNDRY NOTICE AND REPORTS ON WELLS</b> Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells Use APPLICATION FOR PERMIT -- for such proposals		6. Lease Designation and Serial Number
1. Title of Well [ X ] Oil Well [ ] Gas Well [ ] Other		7. Indian Allottee or Tribe Name
2. Name of Operator <b>Mountain Oil, Inc.</b>		8. Unit or Communitization Agreement
3. Address and Telephone No. <b>PO Box 1574 Roosevelt, UT 84066</b>		9. Well Name and Number <b>Wilkins 1-24A5</b>
4. Telephone Number <b>435-722-2992</b>		10. API Well Number <b>43-013-30320</b>
5. Location of Well <b>Footage</b>		11. Field and Pool, or Exploratory Area <b>55 Altamont</b>

County: **Duchesne**QQ, Sec. T., R., M.: **T1S, R 5W, Sec. 24, NWNE, USM**State: **Utah**

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA			
NOTICE OF INTENT (Submit in Duplicate)		SUBSEQUENT REPORT (Submit Original Form Only)	
[ ] Abandonment	[ ] New Construction	[ ] Abandonment	[ ] New Construction
[ ] Casing Repair	[ ] Pull or Alter Casing	[ ] Casing Repair	[ ] Pull or Alter Casing
[ ] Change of Plans	[ ] Recompletion	[ ] Change of Plans	[ ] Recompletion
[ ] Conversion to Injection	[ ] Shoot or Acidize	[ ] Conversion to Injection	[ ] Shoot or Acidize
[ ] Fracture Test	[ ] Vent or Flare	[ ] Fracture Test	[ ] Vent or Flare
[ ] Multiple Completion	[ ] Water Shut-Off	[ ] Multiple Completion	[ ] Water Shut-Off
[ X ] Other <u>Change of Operator</u>		[ ] Other _____	
Approximate Date Work Will Start _____		Date of Work Completion _____	
		Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION AND LOG FORM.	
		*Must be accompanied by a cement verification report	

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface location and measured and true vertical depths for all markers and zones pertinent to this work.

## Self Certification Statement:

Please be advised that Mountain Oil, Inc., PO Box 1574, Roosevelt, UT 84066 is considered to be the new operator of the Wilkins 1-24A5 Well, and is responsible under the terms and conditions of the lease of the operations conducted upon the associated leased lands. Please release ERCH/ Bass American Petroleum Company's bond # 76108020, as bond coverage will be provided under Mountain Oil, Inc.'s bond # this will be effective September 1, 1999. Send all communications regarding this lease to Mountain Oil, Inc., PO Box 1574, Roosevelt, UT 84066.

*Mountain Oil's bond # is 00762*

Contact Person: Kalene Jackson

14. I hereby certify that the foregoing is true and correct

Signed *Kalene Jackson* Title Agent Date 05 Sept 00

Kalene Jackson

(State Use Only)

Division of Oil, Gas and Mining  
**OPERATOR CHANGE WORKSHEET**

ROUTING	
1. DJJ	
2. CDW	

**X - Change of Operator (Well Sold)**

Operator Name Change/Merger

The operator of the well(s) listed below has changed, effective:

**4/7/2006**

<b>FROM: (Old Operator):</b> N5495-Mountain Oil, Inc 3191 N Canyon Rd Provo, UT 84604 Phone: 1 (801) 318-0025	<b>TO: ( New Operator):</b> N3130-Homeland Gas & Oil, Inc. PO Box 1776 Ballard, UT 84066 Phone: 1 (435) 722-2992
---	--

CA No.

Unit:

WELL NAME	SEC	TWN	RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
WILKINS 1-24A5	24	010S	050W	4301330320	205	Fee	OW	P
NIELSON 1-20B1	20	020S	010W	4301330740	673	Fee	OW	P
FAUSETT 1-26A1E	26	010S	010E	4304730821	870	Fee	OW	P
1-2B1E	02	020S	010E	4304730931	600	Indian	OW	P

**OPERATOR CHANGES DOCUMENTATION**

Enter date after each listed item is completed

- (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 6/21/2006
- (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 6/21/2006
- The new company was checked on the **Department of Commerce, Division of Corporations Database** on: 6/19/2006
- 4a. Is the new operator registered in the State of Utah: yes Business Number: 6174726-0143
- 5a. (R649-9-2)Waste Management Plan has been received on: Requested 10/31/06
- 5b. Inspections of LA PA state/fee well sites complete on: n/a
- 5c. Reports current for Production/Disposition & Sundries on:
- Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM n/a BIA not yet
- Federal and Indian Units:**  
The BLM or BIA has approved the successor of unit operator for wells listed on: n/a
- Federal and Indian Communization Agreements ("CA"):**  
The BLM or BIA has approved the operator for all wells listed within a CA on: n/a
- Underground Injection Control ("UIC")** The Division has approved UIC Form 5, **Transfer of Authority to Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: n/a

**DATA ENTRY:**

- Changes entered in the **Oil and Gas Database** on: 10/31/2006
- Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 10/31/2006
- Bond information entered in RBDMS on: 10/31/2006
- Fee/State wells attached to bond in RBDMS on: 10/31/2006
- Injection Projects to new operator in RBDMS on: n/a
- Receipt of Acceptance of Drilling Procedures for APD/New on: n/a

**BOND VERIFICATION:**

- Federal well(s) covered by Bond Number: 310279523
- Indian well(s) covered by Bond Number: SB-509795
- 3a. (R649-3-1) The **NEW** operator of any fee well(s) listed covered by Bond Number F16420
- 3b. The **FORMER** operator has requested a release of liability from their bond on: 4/14/2006  
The Division sent response by letter on: not sent

**LEASE INTEREST OWNER NOTIFICATION:**

- (R649-2-10) The **FORMER** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: 10/31/2006

**COMMENTS:**

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 9

<b>SUNDRY NOTICE AND REPORTS ON WELLS</b>  <small>Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.</small>		5. LEASE DESIGNATION AND SERIAL NUMBER: <b>FEE</b>
		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
		7. UNIT or CA AGREEMENT NAME:
1. TYPE OF WELLS <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other		8. WELL NAME and NUMBER <b>Wilkins 1-24A5</b>
2. NAME OF OPERATOR <b>Homeland Gas &amp; Oil</b>		9. API NUMBER: <b>43-013-30320</b>
3. ADDRESS OF OPERATOR <b>3980 East Main, Ballard UT 84066</b>	PHONE NUMBER <b>435-722-2992</b>	10. FIELD AND POOL, OR WILDCAT <b>ALTAMONT</b>

4. LOCATION OF WELLS

TOWNSHIP 1S RANGE 5W SECTION 24 NWNE USBM

COUNTY: **DUCHESNE**

STATE: **UTAH**

11 CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA			
TYPE OF SUBMISSION		TYPE OF ACTION	
<input type="checkbox"/> NOTICE OF INTENT <small>(Submit in Duplicate)</small> Approximate date work will start	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> DEEPEN <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> PLUG BACK <input type="checkbox"/> PRODUCTION (START/RESUME) <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> RECOMPLETE-DIFFERENT FORMATION	<input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> TEMPORARILY ABANDON <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> WATER SHUT-OFF <input checked="" type="checkbox"/> OTHER <b>CHANGE OF OPERATOR</b>
<input type="checkbox"/> SUBSEQUENT REPORT <small>(Submit Original Form Only)</small> Date of work completion:			

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS, Clearly show all pertinent details including dates, depths, volumes, etc.

Effective April 7, 2006, operation of this well was taken over by: **N3130**  
Homeland Gas & Oil  
3980 East Main  
Ballard UT 84066

The previous operator was: **N5495**  
MOUNTAIN OIL, INC.  
3191 N CANYON ROAD  
PROVO, UT 84604

*Joseph Ollivier*  
JOSEPH OLLIVIER  
PRESIDENT, MOUNTAIN OIL, INC.

Effective April 7, 2006 Homeland Gas & Oil is responsible under the terms and conditions of the leases for operations conducted on the leased lands or a portion thereof under Homeland's Utah Bond #**UTB000147**. **F16420**

NAME (PLEASE PRINT) **Jack Carson**

TITLE **President, Homeland Gas & Oil**

SIGNATURE *Jack Carson*

DATE **April 4, 2006**

(This space for State use only)

APPROVED **10/31/06**  
*Earlene Russell*  
Division of Oil, Gas and Mining  
Earlene Russell, Engineering Technician

RECEIVED  
**JUN 21 2006**

DIV. OF OIL, GAS & MINING



JON M. HUNTSMAN, JR.  
Governor

GARY R. HERBERT  
Lieutenant Governor

# State of Utah

## DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER  
Executive Director

### Division of Oil, Gas and Mining

JOHN R. BAZA  
Division Director

October 1, 2008

CERTIFIED MAIL NO.: 7004 2510 0004 1824 6435

Mr. Brian Jones  
Homeland Gas & Oil Inc.  
825 East Speer Blvd, Suite #100 E  
Denver, CO 80218

43 013 30320  
Wilkins 1-2445  
18 5W 2A

Re: **SECOND NOTICE: Extended Shut-in and Temporarily Abandoned Requirements for Wells on Fee or State Leases**

Dear Mr. Jones:

Homeland Gas & Oil Inc. ("Homeland") has seven (7) Fee Lease Wells (see attachment A) that are currently in non-compliance for extended shut-in and temporary abandonment (SI/TA) status. Wells SI/TA beyond twelve (12) consecutive months require the filing of a Sundry Notice in accordance with R649-3-36-1 for Utah Division of Oil, Gas & Mining ("Division") approval. Wells with five (5) years non-activity or non-productivity shall be plugged, unless the Division grants approval for extended shut-in time upon a showing of good cause by the operator (R649-3-36-1.3.3).

This is a second notice for wells 1 through 3 listed on Attachment A. The Division notified the previous operators, Mountain Oil, Flying J Oil, and McCullis Resources, on several occasions by certified mail about these wells non-compliance issues. Several plans to produce or plug were submitted, but no action has been taken to date on these wells. Homelands responsibility to comply with the above listed rules was assumed at current level when ownership was transferred. The Division has been holding several meetings with Homeland in regards to these wells, but no work has taken place. Immediate action is required on these wells. Please submit your plans to produce or plug these wells. If this is not addressed within 30 days, a Notice of Violation will be issued for these wells. A similar response is required for the other four wells listed in Attachment A.



Page 2  
October 1, 2008  
Mr. Jones

For extended SI/TA consideration the operator shall provide the Division with the following:

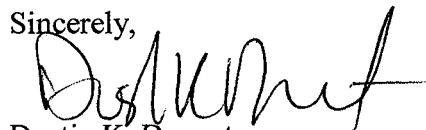
1. Reasons for SI/TA of the well (R649-3-36-1.1).
2. The length of time the well is expected to be SI/TA (R649-3-36-1.2), and
3. An explanation and supporting data if necessary, for showing the well has integrity, meaning that the casing, cement, equipment condition, static fluid level, pressure, existence or absence of Underground Sources of Drinking Water and other factors do not make the well a risk to public health and safety or the environment (R649-3-36-1.3)

Submitting the information suggested below may help show well integrity and may help qualify your well for extended SI/TA. **Note: As of July 1, 2003, wells in violation of the SI/TA rule R649-3-36 may be subject to full cost bonding (R649-3-1-4.2, 4.3).**

1. Wellbore diagram, and
2. Copy of recent casing pressure test, and
3. Current pressures on the wellbore (tubing pressure, casing pressure, and casing/casing annuli pressure) showing wellbore has integrity, and
4. Fluid level in the wellbore, and
5. An explanation of how the submitted information proves integrity.

If the required information is not received within 30 days of the date of this notice, further actions will be initiated. If you have any questions concerning this matter, please contact me at (801) 538-5281.

Sincerely,



Dustin K. Doucet  
Petroleum Engineer

JP/js  
Enclosure

cc: Compliance File  
Well File

### Attachment A

	Well Name	API	Lease Type	Years Inactive
1	REIMANN 10-1	43-013-30460	FEE	3 Years 9 Months
2	BATES 9-1	43-013-30469	FEE	3 Years 9 Months
3	WALKER 2-24A5	43-013-31085	FEE	19 Years 6 Months
4	HANSEN 1	43-013-30161	FEE	1 Year 6 Months
5	WILKINS 1-24A5	43-013-30320	FEE	1 Year 11 Months
6	DYE-HALL 2-21A1	43-013-31163	FEE	2 Years 2 Months
7	FAUSETT 1-26A1E	43-047-30821	FEE	1 Year 5 Months





JON M. HUNTSMAN, JR.  
Governor

GARY R. HERBERT  
Lieutenant Governor

# State of Utah

## DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER  
Executive Director

### Division of Oil Gas and Mining

JOHN R. BAZA  
Division Director

December 23, 2008

CERTIFIED MAIL NO.: 7004 2510 0004 1824 6626

Mr. Brian Jones  
Homeland Gas & Oil Inc.  
15587 Huron St  
Broomfield CO 80020

43 013 3032D  
Wilkins 1-24A5  
15 5W 2A

SUBJECT: **SECOND NOTICE: Extended Shut-in and Temporarily Abandoned Requirements for Wells on Fee or State Leases**

Dear Mr. Jones:

Homeland Gas & Oil Inc. ("Homeland") has four (4) Fee Lease Wells (see attachment A) that are currently in non-compliance for extended shut-in and temporary abandonment (SI/TA) status. Wells SI/TA beyond twelve (12) consecutive months require the filing of a Sundry Notice in accordance with R649-3-36-1 for Utah Division of Oil, Gas & Mining ("Division") approval. Wells with five (5) years non-activity or non-productivity shall be plugged, unless the Division grants approval for extended shut-in time upon a showing of good cause by the operator (R649-3-36-1.3.3).

This is a second notice for the wells listed on Attachment A. The Division notified Homeland by certified mail on October 29, 2008, about these wells non-compliance issues. Homeland had 30 days to respond. More than sufficient time has passed but no correspondence has been received by the Division to date. Immediate action is required on these wells. Please submit your plans to produce or plug these wells. If this is not addressed within 30 days, a Notice of Violation will be issued for these wells.



Page 2  
December 23, 2008  
Mr. Jones

For extended SI/TA consideration the operator shall provide the Division with the following:

1. Reasons for SI/TA of the well (R649-3-36-1.1).
2. The length of time the well is expected to be SI/TA (R649-3-36-1.2), and
3. An explanation and supporting data if necessary, for showing the well has integrity, meaning that the casing, cement, equipment condition, static fluid level, pressure, existence or absence of Underground Sources of Drinking Water and other factors do not make the well a risk to public health and safety or the environment (R649-3-36-1.3)

Submitting the information suggested below may help show well integrity and may help qualify your well for extended SI/TA. **Note: As of July 1, 2003, wells in violation of the SI/TA rule R649-3-36 may be subject to full cost bonding (R649-3-1-4.2, 4.3).**

1. Wellbore diagram, and
2. Copy of recent casing pressure test, and
3. Current pressures on the wellbore (tubing pressure, casing pressure, and casing/casing annuli pressure) showing wellbore has integrity, and
4. Fluid level in the wellbore, and
5. An explanation of how the submitted information proves integrity.

If the required information is not received within 30 days of the date of this notice, further actions will be initiated. If you have any questions concerning this matter, please contact me at (801) 538-5281.

Sincerely,



Dustin K. Doucet  
Petroleum Engineer

DKD/js  
Enclosure  
cc: Compliance File  
Well File

### Attachment A

	Well Name	API	Lease Type	Years Inactive
1.	HANSEN 1	43-013-30161	FEE	1 Year 6 Months
2.	WILKINS 1-24A5	43-013-30320	FEE	1 Year 11 Months
3.	DYE-HALL 2-21A1	43-013-31163	FEE	2 Years 2 Months
4.	FAUSETT 1-26A1E	43-047-30821	FEE	1 Year 5 Months

UTAH DEPARTMENT OF NATURAL RESOURCES

Division of Oil, Gas & Mining

Oil and Gas Program

1594 West North Temple, Suite 1210, Box 145801

Salt Lake City, Utah 84114-5801

(801) 538-5340 Phone

(801) 359-3940 Fax

**NOTICE OF VIOLATION**

**STATE OF UTAH**

**OIL AND GAS CONSERVATION ACT**

\*\*\*\*\*

To the following operator:

Name: HOMELAND GAS & OIL INC.

Well(s) or Site(s): 1.) WILKINS 1-24A5 API #: 43-013-30320

2.) DYE-HALL 2-21A1 43-013-31163

3.) HANSEN 1 43-013-30161

4.) FAUSETT 1-26A1E 43-047-30821

Date and Time of Inspection/Violation: January 28, 2009

Mailing Address: Attn: Brian Jones

15587 Hurrion St

Broomfield, CO 80020

Under the authority of the Utah Oil and Gas Conservation Act, Section 40-6 et. Seq., Utah Code Annotated, 1953, as amended, the undersigned authorized representative of the Division of Oil, Gas and Mining (Division) has conducted an inspection of the above described site and/or records on the above date and has found alleged violation(s) of the act, rules or permit conditions as described below.

Description of Violation(s):

Rule R649-3-36, Shut-in and Temporarily Abandoned Wells -According to Rule R649-3-36, the operator is required to supply the Division with reasons for extended SI/TA, the length of time for extended SI/TA and proof of well bore integrity for every well SI/TA over 12 consecutive months. After 5 years of continued SI/TA, the wells are to be plugged unless good cause is supplied to the Division for extended SI/TA in addition to the required information just mentioned.

Homeland Oil & Gas Inc.

January 28, 2009

Notice of Violation

The Division has initiated several contacts with Homeland Gas & Oil Inc. (Homeland) requesting required documents and action per R649-3-36. The Division notified Homeland by certified mail on October 29, 2008, about these wells non-compliance issues. Homeland had 30 days to respond, in which they did not. The above listed wells then had a second notice sent out via certified mail on December 22, 2008 to Homeland. In that notice it was made clear that if this issue was not addressed within 30 days, a Notice of Violation will be issued for the wells. To date the Division has not seen any such correspondence on the matter. Our records show nothing has been done to date to move these wells out of violation status.

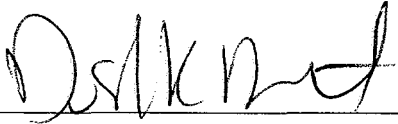
Action: For the wells subject to this notice, Homeland shall either submit the information required by R649-3-36, plug and abandon or place the well on production.

This notice shall remain in effect until it is modified, terminated, or vacated by a written notice of an authorized representative of the director of the Division of Oil, Gas and Mining. Failure to comply with this notice will result in the Division pursuing further actions against said operator. Further actions may include initiation of agency actions to order full cost bonding and plugging and abandonment of wells and requests for bond forfeiture and civil penalties.

Compliance Deadline: April 1, 2009 *per*

Date of Service Mailing: February 11, 2009

CERTIFIED MAIL NO: 7004 2510 0004 1824 6855



Division's Representative

Operator or Representative

(If presented in person)

cc: Well Files  
Operator Compliance File



GARY R. HERBERT  
Governor

GREGORY S. BELL  
Lieutenant Governor

# State of Utah

## DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER  
Executive Director

### Division of Oil, Gas and Mining

JOHN R. BAZA  
Division Director

December 20, 2010

Certified Mail No. 7004 1160 0003 0190 4802

Craig Phillips  
Homeland Gas & Oil, Inc  
P.O. Box 1574  
Roosevelt, Utah 84066

43 013 30320  
Wilkins 1-24A5  
1S 5W 2A

Subject: Homeland Gas and Oil, Inc. Escrow Account

Dear Mr. Phillips:

This letter is in response to the e-mail you sent me on December 8, 2010, regarding Homeland Gas & Oil, Inc. (Homeland) proposal to place \$280,000.00 in an escrow account specifically for the plugging and performing of Mechanical Integrity Tests (MIT's) on Shut-in and Temporarily Abandoned Wells (SI/TA) currently operated by Homeland.

The Division of Oil, Gas and Mining (Division) grants Homeland 30 days from receipt of this letter to submit a formal escrow account agreement and plan of action, for Division review and approval, for the eighteen (18) Homeland Fee and State operated wells (see Attachment A – Subject Wells) in non-compliance with Utah Oil and Gas Conservation General Rule R649-3-36.

The Division requests that Homeland's escrow account agreement and/or plan of action submittals include, but not restricted to the following:

- Prioritized work plans for all eighteen Shut-in and Temporarily Abandoned Wells.
- Identify and prioritize wells with landowner complaints.
- Identify the specific wells to be plugged and plugging deadlines for each well.
- Identify the specific wells for MIT and MIT performance deadlines for each well.
- Plan for any well failing a MIT.
- Proof of funding.
- When the funds will be available for placement into the escrow account.
- Parameters for withdrawals from the escrow account.
- Additional placement of funds into the escrow account.
- Show that the Homeland and the escrow manager have no conflict of interest.



Page 2

Homeland Gas and Oil, Inc. Escrow Account  
December 20, 2010

Questions regarding this matter may be directed to Mr. Clinton Dworshak, Compliance Manager, at 801 538-5280, or to Mr. Dustin Doucet, Engineer, at 801 538-5281.

Sincerely,

A handwritten signature in black ink, appearing to read "Clinton Dworshak". The signature is fluid and cursive, with the first name "Clinton" and last name "Dworshak" clearly distinguishable.

Clinton Dworshak  
Compliance Manager

CLD/js

Enclosures

cc: Compliance File

Well Files

Steve Alder, Attorney General

John Rogers, Associate Director

Dustin Doucet, Petroleum Engineer

Randy Thackeray, Lead Auditor

N:\O&G Reviewed Docs\ChronFile\Compliance



# Attachment A

## Subject Wells

Well Name	API	SI/TA (Years and Months) 10/2010
Brown 3-2	43-013-30986	3 years 0 Months
Fausett 1-26A1E	43-047-30821	3 years 7 Months
Myrin Ranch 1	43-013-30176	4 years 1 Month
→ Wilkins 1-24A5	43-013-30320	4 Years 1 Month
Wesley Bastian Fee 1	43-013-10496	5 Years 2 Months
Josie 1A-3B5	43-013-30677	5 Years 5 Months
Dye-Hall 2-21A1	43-013-31163	5 Years 6 Months
Bates 9-1	43-013-30469	5 Years 11 Months
V Miles 1	43-013-30275	6 Years 3 Months
Rust 3-22A4	43-013-31266	6 Years 6 Months
Gusher 2-17B1	43-013-30846	6 Years 8 Months
CJ Hackford 1-23	43-047-30279	6 years 9 Months
Knight 1	43-013-30184	7 Years 0 Months
Josie 1-3B5	43-013-30273	9 Years 5 Months
A Rust 2	43-013-30290	10 Years 4 Months
Reiman 10-1	43-013-30460	14 years 0 Months
Dustin 1	43-013-30122	17 Years 3 Months
Walker 2-24A5	43-013-31085	20 years 8 Months

7004 1160 0003 0190 4802

**U.S. Postal Service™**  
**CERTIFIED MAIL™ RECEIPT**  
 (Domestic Mail Only; No Insurance Coverage Provided)

For delivery information visit our website at [www.usps.com](http://www.usps.com)

**OFFICIAL USE**

Postage	\$
Certified Fee	
Return Receipt Fee (Endorsement Required)	
Restricted Delivery Fee (Endorsement Required)	

12/20/10

Postmark  
Here

Total Postage

Sent To **CRAIG PHILLIPS**  
**HOMELAND GAS & OIL INC**  
 Street, Apt. No. or PO Box No. **P O BOX 1574**  
 City, State, ZIP **ROOSEVELT UT 84066**

PS Form 3800, June 2002

See Reverse for Instructions

**SENDER: COMPLETE THIS SECTION**

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

**CRAIG PHILLIPS**  
**HOMELAND GAS & OIL INC**  
**P O BOX 1574**  
**ROOSEVELT UT 84066**

2. Article Number  
(Transfer from service label)

**COMPLETE THIS SECTION ON DELIVERY**

A. Signature ☒ Agent  
☒ Addressee

B. Received By (Printed Name) **Amber Simpson** C. Date of Delivery **12/27/10**

D. Is delivery address different from item 1? ☐ Yes  
 If YES, enter delivery address below: ☐ No

3. Service Type  
☒ Certified Mail ☐ Express Mail  
☐ Registered ☐ Return Receipt for Merchandise  
☐ Insured Mail ☐ C.O.D.

4. Restricted Delivery? (Extra Fee) ☐ Yes

7004 1160 0003 0190 4802

PS Form 3811, February 2004

Domestic Return Receipt

102595-02-M-1540

UTAH DEPARTMENT OF NATURAL RESOURCES

Division of Oil, Gas & Mining

Oil and Gas Program

1594 West North Temple, Suite 1210, Box 145801

Salt Lake City, Utah 84114-5801

(801) 538-5340 Phone

(801) 359-3940 Fax

**NOTICE OF VIOLATION**  
**STATE OF UTAH**  
**OIL AND GAS CONSERVATION ACT**

\*\*\*\*\*

To the following operator:

Name: HOMELAND GAS AND OIL, INC.

Well(s) or Site(s): 1.) <u>BATES 9-1</u>	API #: <u>43-013-30469</u>
2.) <u>REIMANN 10-1</u>	<u>43-013-30460</u>
3.) <u>DUSTIN 1</u>	<u>43-013-30122</u>
4.) <u>A RUST 2</u>	<u>43-013-30290</u>
5.) <u>GUSHER 2-17B1</u>	<u>43-013-30846</u>
6.) <u>RUST 3-22A4</u>	<u>43-013-31266</u>
7.) <u>C J HACKFORD 1-23</u>	<u>43-047-30279</u>
8.) <u>V MILES 1</u>	<u>43-013-30275</u>
9.) <u>WILKINS 1-24-A5</u>	<u>43-013-30320</u>
10.) <u>JOSIE 1A-3B5</u>	<u>43-013-30677</u>
11.) <u>DYE-HALL 2-21A1</u>	<u>43-013-31163</u>
12.) <u>FAUSET 1-26A1E</u>	<u>43-047-30821</u>
13.) <u>BROWN 3-2</u>	<u>43-013-30986</u>

1S 5W 24

Date and Time of Inspection/Violation: December 28, 2012

Mailing Address: Attn: Craig Phillips  
P.O. BOX 1776  
Roosevelt, UT 84066

Under the authority of the Utah Oil and Gas Conservation Act, Section 40-6 et. Seq., Utah Code Annotated, 1953, as amended, the undersigned authorized representative of the Division of Oil, Gas and Mining (Division) has conducted an inspection of the above described site and/or records on the above date and has found alleged violation(s) of the act, rules or permit conditions as described below.

**Description of Violation(s):**

Rule R649-3-36, *Shut-in and Temporarily Abandoned Wells* – According to Rule R649-3-36, the operator is required to supply the Division with reasons for extended SI/TA, the length of time for extended SI/TA and proof of well bore integrity for every well SI/TA over 12 consecutive months. After 5 years of continued SI/TA, the wells are to be plugged unless good cause is supplied to the Division for extended SI/TA in addition to the required information just mentioned.

Rule R649-3-4.3, *Bonding* - If the division finds that a well subject to this bonding rule is in violation of Rule R649-3-36., Shut-in and Temporarily Abandoned Wells, the division shall require a bond amount for the applicable well in the amount of actual plugging and site restoration costs.

Rule R649-3-4.4.1. *Bonding* - Within 30 days of notification by the division, the operator shall submit to the division an estimate of plugging and site restoration costs for division review and approval.

UTAH DEPARTMENT OF NATURAL RESOURCES

Division of Oil, Gas & Mining

Oil and Gas Program

1594 West North Temple, Suite 1210, Box 145801

Salt Lake City, Utah 84114-5801

(801) 538-5340 Phone

(801) 359-3940 Fax

The Division has initiated several contacts with Homeland Gas and Oil, Inc. (Homeland) requesting required documents and action per R649-3-36. All wells listed have previously been issued SI/TA Notices and Notices of Violation without the required work being accomplished or information submitted to bring these wells into compliance.

These wells are in violation of R-649-3-36 as listed above. The Division requires Homeland to put up full cost bonding for all wells in violation above per R649-3-4. It is also mandatory that Homeland submit all documentation as required by R649-3-36 concerning shut-in and temporarily abandoned wells.

**Immediate Action: For the wells subject to this notice, Homeland shall fulfill full cost bonding requirements for each well. Homeland shall also submit all information as required by R649-3-36 or plug and abandon or place the wells on production.**

- \* **Fines may be levied up to \$10,000.00 per day for every well in violation given the authority provided under U.C.A. 40-6-11, part 4.**

This notice shall remain in effect until it is modified, terminated, or vacated by a written notice of an authorized representative of the director of the Division of Oil, Gas and Mining. Failure to comply with this notice will result in the Division pursuing further actions against said operator. Further actions may include initiation of agency actions to order full cost bonding and plugging and abandonment of wells and requests for bond forfeiture and civil penalties.

**Compliance Deadline: February 8, 2013**

Date of Service Mailing: January 3, 2013

Certified Mail No: 7010 1670 0001 4810 3638

\_\_\_\_\_  
Division's Representative

\_\_\_\_\_  
Operator or Representative  
(If presented in person)

cc: Compliance File  
Well Files

6/2005



GARY R. HERBERT  
Governor

GREGORY S. BELL  
Lieutenant Governor

# State of Utah

## DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER  
Executive Director

### Division of Oil, Gas and Mining

JOHN R. BAZA  
Division Director

---

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS & MINING

---

IN THE MATTER OF:

Homeland Gas and Oil, Inc. operations at:

Bates 9-1 located at Sec. 9, T4S, R6W;  
Riemann 10-1 located at Sec. 10, T4S,  
R6W; Dustin 1 located at Sec. 22, T2S,  
R3W; A Rust 2 located at Sec. 22, T1S,  
R4W; Gusher 2-17B1 located at Sec. 17,  
T2S, R1W; Rust 3-22A4 located at Sec.  
22, T1S, R4W; V Miles 1 located at Sec.  
20, T1S, R4W; Josie 1A-3B5 located at  
Sec. 3, T2S, R5W; Wilkins 1-24A5  
located at Sec. 24, T1S, R5W; Dye-Hall  
2-21A1 located at Sec. 21, T1S, R1W;  
Brown 3-2 located at Sec. 3, T1S, R2W;  
CJ Hackford 1-23 located at Sec. 23, T1S,  
R1E; and Fausett 1-26A1E located at Sec.  
26, T1S, R1E.

43 013 30320

### NOTICE OF AGENCY ACTION

Case No. SI/TA 102

1. This Notice of Agency Action is to inform Homeland Gas and Oil, Inc. ("Homeland") that the Utah Division of Oil, Gas & Mining ("Division") is commencing an administrative adjudicative proceeding to consider appropriate action to be taken pursuant to Utah Admin. Code R649-3-36 for your failure to comply with a Notice of Violation ("NOV") issued January 3, 2013, for the following wells:

Well Name	API Number	Location Section TwN-Rng	
Bates 9-1	43-013-30469	9	4S-6W
Riemann 10-1	43-013-30460	10	4S-6W
Dustin 1	43-013-30122	22	2S-3W
A Rust 2	43-013-30290	22	1S-4W
Gusher 2-17B1	43-013-30846	17	2S-1W
Rust 3-22A4	43-013-31266	22	1S-4W
V Miles 1	43-013-30275	20	1S-4W
Josie 1A-3B5	43-013-30677	3	2S-5W
Wilkins 1-24A5	43-013-30320	24	1S-5W
Dye-Hall 2-21A1	43-013-31163	21	1S-1W
Brown 3-2	43-013-30986	3	1S-2W
CJ Hackford 1-23	43-047-30279	23	1S-1E
Fausett 1-26A1E	43-047-30821	26	1S-1E

This Division action is an informal adjudicative proceeding and shall be conducted according to the provisions of Utah Code Ann. §§ 40-6-10, 63G-4-202, and 63G-4-203; and Utah Admin. Code R649-10 *et seq.*

2. The Division issued a NOV on January 3, 2013, compelling you to provide full cost bonding on all of the listed wells, and one of the following actions: 1) a written explanation for each well's status per the terms of Utah Admin. Code R649-3-36; 2) return each well to production; or 3) plug and abandon the wells. The NOV is attached as an exhibit to this Notice of Agency Action.

3. The purpose of this informal adjudication is to determine what action you are required to take in order to comply with R649-3-36, the Oil and Gas Conservation Act, and other applicable regulations. This informal adjudication also provides you an opportunity for

a hearing so that you may present evidence and testimony, if any, concerning your noncompliance with the NOV.

4. You are entitled to request a hearing to review the claims and recommendations in this Notice of Agency Action. The request for hearing **must be made in writing and received by the Division no later than 10 calendar days from the date of this Notice.** *See* Utah Admin. Code R649-10-3.2.1.6 and R649-10-4.1.2. Upon receiving a hearing request, the Division will schedule a date and time for the hearing. Failure to respond to this Notice within 10 calendar days to request a hearing may result in a Default Order being entered against you granting the relief recommended by the Division. *See* Utah Admin. Code R649-10-5.

5. Pursuant to Utah Admin. Code R649-10-2.9, the Director has designated Cameron Johnson, Assistant Attorney General, as the Presiding Officer in this matter. Clinton Dworshak, Compliance Manager, will represent the Division. Attendance at the hearing is required either in person, over the phone, or via written testimony. Failure to attend and participate in a scheduled hearing may result in a Default Order being entered against you granting the relief recommended by the Division. *See* Utah Admin. Code R649-10-5.

6. If you have any information, evidence, or statements that should be reviewed prior to the hearing, you should submit that information to the Division at the address noted below so that it may be considered and made a part of the record.

7. Upon request and to the extent permitted by law, the Division will provide you with any information or documents in its files relevant to this proceeding.



8. If after the hearing the Presiding Officer determines that you failed to adhere to the directives of the NOV, he may enter a Decision and Order requiring you to take additional actions, including, but not limited to: posting additional amounts of bonding, immediate plugging of the well, or other measures that are deemed to be appropriate under Utah Admin. Code R649-3-1 through -36.

9. To preserve the Division's ability to effectively manage the State's oil and gas resources, the Division is recommending the following actions:

- a. Plugging Sundries for the 13 state or fee shut-in wells; and**
- b. A plugging schedule for the wells shall be submitted to the Division by April 30, 2013.**

10. Following the hearing, and after considering all the evidence presented, the Presiding Officer will issue a written Decision and Order detailing the legal and factual rationale for the decision. The final Decision and Order may be appealed to the Board of Oil, Gas & Mining in accordance with the provisions of Utah Admin. Code R649-10-6.

11. All written communication concerning this Notice of Agency Action shall be identified by the case name and number set forth in the caption at the top of this Notice, and shall be directed to Jean Sweet, Division of Oil, Gas & Mining, P.O. Box 145801, Salt Lake City, Utah 84114-5801, phone: 801-538-5329, [jsweet@utah.gov](mailto:jsweet@utah.gov).

DATED this 12<sup>th</sup> day of March, 2013.

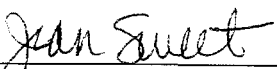
  
**Cameron Johnson**  
**Assistant Attorney General**  
**1594 West North Temple, Suite 300**  
**Salt Lake City, Utah 84101**  
**801.518.3988**  
**[cameronjohnson@utah.gov](mailto:cameronjohnson@utah.gov)**

**CERTIFICATE OF SERVICE**

The undersigned hereby certifies that on this 12<sup>th</sup> day of March, 2013, a true and correct copy of the foregoing **NOTICE OF AGENCY ACTION** was served via certified mail on the following person(s):

**Homeland Gas and Oil, Inc.**  
**Attn: Craig Phillips**  
**P.O. Box 1776**  
**Roosevelt, Utah 84066**

Certified Mail #7010 1670 0001 4810 3928

  
\_\_\_\_\_  
Jean Sweet  
Division of Oil, Gas & Mining

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> FEE
<b>1. TYPE OF WELL</b> Oil Well		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
<b>2. NAME OF OPERATOR:</b> HOMELAND GAS & OIL, INC.		<b>7. UNIT or CA AGREEMENT NAME:</b>
<b>3. ADDRESS OF OPERATOR:</b> P.O. Box 1776 , Roosevelt, UT, 84066		<b>8. WELL NAME and NUMBER:</b> WILKINS 1-24A5
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 0927 FNL 1580 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NWNE Section: 24 Township: 01.0S Range: 05.0W Meridian: U		<b>9. API NUMBER:</b> 43013303200000
<b>PHONE NUMBER:</b> 435 722-2992 Ext		<b>9. FIELD and POOL or WILDCAT:</b> ALTAMONT
<b>COUNTY:</b> DUCHESNE		<b>STATE:</b> UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
<b>TYPE OF SUBMISSION</b>	<b>TYPE OF ACTION</b>	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 5/31/2013	<input type="checkbox"/> ALTER CASING	
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CASING REPAIR	
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	
	<input type="checkbox"/> CHANGE TUBING	
	<input type="checkbox"/> CHANGE WELL STATUS	
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	
	<input type="checkbox"/> DEEPEN	
	<input type="checkbox"/> FRACTURE TREAT	
	<input type="checkbox"/> OPERATOR CHANGE	
	<input type="checkbox"/> PLUG AND ABANDON	
	<input type="checkbox"/> PRODUCTION START OR RESUME	
	<input type="checkbox"/> RECLAMATION OF WELL SITE	
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	
	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	
	<input type="checkbox"/> TUBING REPAIR	
	<input type="checkbox"/> VENT OR FLARE	
	<input type="checkbox"/> WATER SHUTOFF	
	<input type="checkbox"/> SI TA STATUS EXTENSION	
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	
	<input checked="" type="checkbox"/> OTHER	
	OTHER: <input style="width: 100px;" type="text"/>	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. <div style="text-align: center; margin-top: 20px;">             TBG PSI 100 CSG PSI 40           </div> <div style="text-align: right; margin-top: 20px;"> <b>Accepted by the              Utah Division of              Oil, Gas and Mining              FOR RECORD ONLY              June 19, 2013</b> </div>		
<b>NAME (PLEASE PRINT)</b> Craig S. Phillips	<b>PHONE NUMBER</b> 435 722-2992	<b>TITLE</b> Manager
<b>SIGNATURE</b> N/A	<b>DATE</b> 6/3/2013	

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> FEE
<b>1. TYPE OF WELL</b> Oil Well		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
<b>2. NAME OF OPERATOR:</b> HOMELAND GAS & OIL, INC.		<b>7. UNIT or CA AGREEMENT NAME:</b>
<b>3. ADDRESS OF OPERATOR:</b> P.O. Box 1776 , Roosevelt, UT, 84066		<b>8. WELL NAME and NUMBER:</b> WILKINS 1-24A5
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 0927 FNL 1580 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NWNE Section: 24 Township: 01.0S Range: 05.0W Meridian: U		<b>9. API NUMBER:</b> 43013303200000
<b>PHONE NUMBER:</b> 435 722-2992 Ext		<b>9. FIELD and POOL or WILDCAT:</b> ALTAMONT
<b>COUNTY:</b> DUCHESNE		<b>STATE:</b> UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE  <input type="checkbox"/> CHANGE TO PREVIOUS PLANS  <input type="checkbox"/> CHANGE WELL STATUS  <input type="checkbox"/> DEEPEN  <input type="checkbox"/> OPERATOR CHANGE  <input type="checkbox"/> PRODUCTION START OR RESUME  <input type="checkbox"/> REPERFORATE CURRENT FORMATION  <input type="checkbox"/> TUBING REPAIR  <input type="checkbox"/> WATER SHUTOFF  <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING  <input type="checkbox"/> CHANGE TUBING  <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS  <input type="checkbox"/> FRACTURE TREAT  <input type="checkbox"/> PLUG AND ABANDON  <input type="checkbox"/> RECLAMATION OF WELL SITE  <input type="checkbox"/> SIDETRACK TO REPAIR WELL  <input type="checkbox"/> VENT OR FLARE  <input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> CASING REPAIR  <input type="checkbox"/> CHANGE WELL NAME  <input type="checkbox"/> CONVERT WELL TYPE  <input type="checkbox"/> NEW CONSTRUCTION  <input type="checkbox"/> PLUG BACK  <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION  <input type="checkbox"/> TEMPORARY ABANDON  <input type="checkbox"/> WATER DISPOSAL  <input type="checkbox"/> APD EXTENSION	<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: <b>8/14/2013</b>
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input checked="" type="checkbox"/> OTHER			
<input type="checkbox"/> DRILLING REPORT Report Date:	OTHER: <input style="width: 100px;" type="text"/>			

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.  
 TBG 100 PSI CSG 40 PSI Maintenance was done on location

Accepted by the  
 Utah Division of  
 Oil, Gas and Mining  
**FOR RECORD ONLY**  
 August 14, 2013

<b>NAME (PLEASE PRINT)</b> Craig S. Phillips	<b>PHONE NUMBER</b> 435 722-2992	<b>TITLE</b> Manager
<b>SIGNATURE</b> N/A	<b>DATE</b> 8/14/2013	

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: FEE
		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
		7. UNIT or CA AGREEMENT NAME:
1. TYPE OF WELL Oil Well	8. WELL NAME and NUMBER: WILKINS 1-24A5	
2. NAME OF OPERATOR: HOMELAND GAS & OIL, INC.		9. API NUMBER: 43013303200000
3. ADDRESS OF OPERATOR: P.O. Box 1776, Roosevelt, UT, 84066	PHONE NUMBER: 435 722-2992 Ext	9. FIELD and POOL or WILDCAT: ALTAMONT
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0927 FNL 1580 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWNE Section: 24 Township: 01.0S Range: 05.0W Meridian: U		COUNTY: DUCHESNE
		STATE: UTAH

11.

CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: <b>11/4/2013</b>	<input type="checkbox"/> ACIDIZE  <input type="checkbox"/> CHANGE TO PREVIOUS PLANS  <input type="checkbox"/> CHANGE WELL STATUS  <input type="checkbox"/> DEEPEN  <input type="checkbox"/> OPERATOR CHANGE  <input type="checkbox"/> PRODUCTION START OR RESUME  <input type="checkbox"/> REPERFORATE CURRENT FORMATION  <input type="checkbox"/> TUBING REPAIR  <input type="checkbox"/> WATER SHUTOFF  <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING  <input type="checkbox"/> CHANGE TUBING  <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS  <input type="checkbox"/> FRACTURE TREAT  <input type="checkbox"/> PLUG AND ABANDON  <input type="checkbox"/> RECLAMATION OF WELL SITE  <input type="checkbox"/> SIDETRACK TO REPAIR WELL  <input type="checkbox"/> VENT OR FLARE  <input type="checkbox"/> SI TA STATUS EXTENSION  <input checked="" type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR  <input type="checkbox"/> CHANGE WELL NAME  <input type="checkbox"/> CONVERT WELL TYPE  <input type="checkbox"/> NEW CONSTRUCTION  <input type="checkbox"/> PLUG BACK  <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION  <input type="checkbox"/> TEMPORARY ABANDON  <input type="checkbox"/> WATER DISPOSAL  <input type="checkbox"/> APD EXTENSION  OTHER: <input type="text"/>
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:			
<input type="checkbox"/> SPUD REPORT Date of Spud:			
<input type="checkbox"/> DRILLING REPORT Report Date:			

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

TBG 100 CSG 40

**Accepted by the**  
**Utah Division of**  
**Oil, Gas and Mining**  
**FOR RECORD ONLY**  
 December 09, 2013

NAME (PLEASE PRINT) Craig S. Phillips	PHONE NUMBER 435 722-2992	TITLE Manager
SIGNATURE N/A		DATE 11/6/2013



GARY R. HERBERT  
Governor

SPENCER J. COX  
Lieutenant Governor

# State of Utah

## DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER  
Executive Director

### Division of Oil, Gas and Mining

JOHN R. BAZA  
Division Director

June 2, 2014

Charles Cox via FedEx  
Attorney  
1432 South Carson Avenue  
Tulsa, OK 74119

Kevin Sylla, Managing Director via FedEx  
Tiger Energy Partners  
6400 Canoga Ave., Suite 360  
Woodland Hills, CA 91367

Craig Phillips, President via FedEx  
Homeland Gas & Oil  
P.O. Box 1776  
Roosevelt, Utah 84066

43 013 30320  
Wilkins 1-24A5  
IS 5W 24

## DIVISION ORDER

**Subject: Stipulated Order in Cause No. SI/TA-102**

Dear Sirs,

In May 2013, Tiger Energy Partners ("Tiger"), Homeland Gas and Oil, Inc. ("Homeland"), and the Utah Division of Oil, Gas and Mining ("Division") entered into a Stipulated Order. The Stipulated Order included a "Production and Plugging Schedule" requiring either Tiger or Homeland to begin rework operations to either place on production or plug at least one of the twelve (12) Subject Wells<sup>1</sup> starting July 1, 2013. Our understanding was that once a rig was on a well, it would remain until the well was capable of production or properly plugged and then would move to the next Subject Well. The schedule also required commencement of rework operations at a new Subject Well every forty-five (45) days thereafter.

Homeland has transferred six (6) of the Subject Wells (Dye-Hall 2-21A1, Gusher 2-17B1, Rust 3-22A4, Dustin 1, Rust 3-22A4 and V Miles 1) to Tiger over the past year. The Division initially understood Tiger's need for additional time to acquire sufficient mineral leases in the subject drilling units before beginning rework operations on any of the transferred wells. However, while the Division allowed Tiger the flexibility to acquire mineral leases, to date, Tiger has only done rework operations on one of the Subject Wells (the Gusher 2-17B1 well during April of this year). Tiger submitted a sundry dated April 25, 2014 stating the Gusher 2-17B1 well was capable of producing in paying quantities and awaiting the arrival of a more economic work over unit to remove a stuck packer. To the Divisions' knowledge the work-over rig used on the Gusher 2-17B1 was not moved to another Subject Well, as contemplated by the Stipulated Order.

The Division asked that Tiger keep the Division informed with regular updates to show they were actively and continuously working to improve their lease position. The Division also requested

<sup>1</sup> Bates9-1, Reimann 10-1, Dustin 1, A Rust 2, Gusher 2-17B1, Rust 3-22A4, V Miles 1, Josie 1A-3B5, Wilkins 1-24A5, Dye-Hall 2-21A1, C J Hackford 1-23, Fausett 1-26A1E



Tiger provide a list of which, if any, wells they would not have Homeland transfer. Tiger never submitted land updates or a list of wells that would not be transferred.

The Division sent a letter dated December 10, 2013 reminding Tiger of its obligation to commence rework operations on these wells and the Division would reevaluate depth bonding for the wells after the first of the year. In response, Tiger transferred additional wells in order to attempt to comply with the Production and Plugging Schedule through February 15, 2014. Since December, however, Tiger has not transferred any additional wells in order to meet the April 1, 2014 or the May 15, 2014 dates on the Production and Plugging Schedule.

**Therefore, Tiger must provide individual depth bonding for the six (6) subject wells it operates (Dye-Hall 2-21A1, Gusher 2-17B1, Rust 3-22A4, Dustin 1, Rust 3-22A4 and V Miles 1) by June 30, 2014. Depth bonding for the six (6) wells is \$360,000 total. Since Tiger currently has a \$120,000 bond with the State, an additional \$240,000 is required at this time. If Tiger attempts to transfer additional Subject Wells from Homeland, such transfer must be accompanied by a \$60,000 individual well bond for each well and must comply with the Production and Plugging Schedule as set forth in the Stipulated Order.**

**Additionally, by June 13, 2014, Homeland must identify at least two wells on which it will immediately commence rework operations to either produce or plug in order to comply with the April 1, 2014 and the May 15, 2014 dates as set forth in the Production and Plugging Schedule. Unless additional wells are transferred to Tiger, Homeland will be responsible to comply with the remaining dates on the Production and Plugging Schedule. If Tiger desires to transfer wells to comply with those dates, it must notify the Division by June 13, 2014 and must accompany the transfer request with a \$60,000 individual well bond for each well.**

Tiger or Homeland may appeal this Division Order by filing with the Board of Oil, Gas and Mining a request for review according to procedures set forth in R649-10-6. A request for review must be filed with the Secretary to the Board, Julie Ann Carter (801) 538-5277, within 30 days of issuance of this Order.

In the event Tiger or Homeland does not respond to this Order within 30 days of receipt, the Division may file for a formal hearing before the Board of Oil, Gas and Mining, as described in the Utah Administrative Code R641, requesting a Board Order to plug and restore the well sites. Should this matter be brought before the Board, the Division will seek bond forfeiture (R649-3-1.16) and liability for plugging costs in excess of bond forfeiture amounts (R649-3-1-4).

Questions regarding this order may be directed to Clinton Dworshak, Compliance Manager at (801) 538-5280 or Dustin Doucet, Engineer, at (801) 538-5281.

Sincerely,



Clinton Dworshak  
Compliance Manager

CLD/js

cc: John Rogers, Associate Director Oil & Gas  
Kass Wallin, Attorney General  
Dustin Doucet, Petroleum Engineer  
Elizabeth A. Schulte, Parsons, Behle & Latimer  
N:\O&G Reviewed Docs\ChronFile\Enforcement

## Division of Oil, Gas and Mining

## Operator Change/Name Change Worksheet-for State use only

Effective Date: 3/12/2015

<b>FORMER OPERATOR:</b>	<b>NEW OPERATOR:</b>
Homeland Gas & Oil, Inc N3130 PO BOX 1776 ROOSEVELT UT 84066 435-722-2992	TIGER ENERGY OPERATING, LLC N3880 22287 MULHOLLAND HWY #350 CALABASAS CA 91302 888-328-9888
<b>CA Number(s):</b>	<b>Unit(s):</b>

**WELL INFORMATION:**

Well Name	Sec	TWN	RNG	API	Entity	Mineral	Surface	Type	Status
JOSIE 1-3B5	3	020S	050W	4301330273	215	Fee	Fee	OW	PA
WILKINS 1-24A5	24	010S	050W	4301330320	205	Fee	Fee	OW	S
C J HACKFORD 1-23	23	010S	010E	4304730279	790	Fee	Fee	OW	S
FAUSETT 1-26A1E	3	010S	010E	4304730821	870	Fee	Fee	OW	S

**OPERATOR CHANGES DOCUMENTATION:**

1. Sundry or legal documentation was received from the **FORMER** operator on: 8/4/2014
2. Sundry or legal documentation was received from the **NEW** operator on: 8/5/2014
3. New operator Division of Corporations Business Number: 8903416-0161

**REVIEW:**

1. Surface Agreement Sundry from **NEW** operator on Fee Surface wells received on: Yes
2. Receipt of Acceptance of Drilling Procedures for APD on: N/A
3. Reports current for Production/Disposition & Sundries: 3/12/2015
4. OPS/SI/TA well(s) reviewed for full cost bonding: 3/12/2015
5. UIC5 on all disposal/injection/storage well(s) approved on: N/A
6. Surface Facility(s) included in operator change: N/A
7. Inspections of PA state/fee well sites complete on (only upon operators request): N/A

**NEW OPERATOR BOND VERIFICATION:**

1. Federal well(s) covered by Bond Number: N/A
2. Indian well(s) covered by Bond Number: N/A
3. State/fee well(s) covered by Bond Number(s): RLB0015170

**DATA ENTRY:**

1. Well(s) update in the **OGIS** on: 3/12/2015
2. Entity Number(s) updated in **OGIS** on: 3/12/2015
3. Unit(s) operator number update in **OGIS** on: N/A
4. Surface Facilities update in **OGIS** on: N/A
5. State/Fee well(s) attached to bond(s) in **RBDMS** on: 3/12/2015
6. Surface Facilities update in **RBDMS** on: N/A

**LEASE INTEREST OWNER NOTIFICATION:**

1. The **NEW** operator of the Fee (Mineral) wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: 3/12/2015

**COMMENTS:**



**STATE OF UTAH**  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 9

<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>		5 LEASE DESIGNATION AND SERIAL NUMBER <b>See attached Exhibit "A"</b>
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		6 IF INDIAN, ALLOTTEE OR TRIBE NAME <b>See attached Exhibit "A"</b>
1 TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER _____		7 UNIT or CA AGREEMENT NAME <b>See attached Exhibit "A"</b>
2 NAME OF OPERATOR: <b>Homeland Gas &amp; Oil, LTD Inc. N3130</b>		8 WELL NAME and NUMBER <b>See attached Exhibit "A"</b>
3 ADDRESS OF OPERATOR: PO Box 1776      City: <b>Roosevelt</b> State: <b>UT</b> Zip: <b>84066</b>		9 API NUMBER <b>Exhibit A</b>
4 LOCATION OF WELL FOOTAGES AT SURFACE <b>See attached Exhibit "A"</b>		10 FIELD AND POOL, OR WILDCAT <b>See attached Exhibit "A"</b>
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN		COUNTY  STATE <div align="center"><b>UTAH</b></div>

11 CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA			
TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> <b>NOTICE OF INTENT</b> <small>(Submit in Duplicate)</small>  Approximate date work will start _____	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> DEEPEN <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> NEW CONSTRUCTION <input checked="" type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> PLUG BACK <input type="checkbox"/> PRODUCTION (START/RESUME) <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	<input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> TEMPORARILY ABANDON <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> WATER SHUT-OFF <input type="checkbox"/> OTHER: _____
<input type="checkbox"/> <b>SUBSEQUENT REPORT</b> <small>(Submit Original Form Only)</small>  Date of work completion _____			

12 DESCRIBE PROPOSED OR COMPLETED OPERATIONS Clearly show all pertinent details including dates, depths, volumes, etc.

Homeland Gas & Oil, LTD Inc.(N3840) relinquishes operatorship of the wells listed in the attached Exhibit "A" (attached and made part of this form to Tiger Energy Operating, LLC whose address is: 22287 Mulhollandstate Hwy 350 Calabasas CA 91302 please move all wells on the attached Exhibit "A" to Tiger Energy Operating, LLC's State Bond.

NAME (PLEASE PRINT) <u>Craig K. Phillips</u>	TITLE <u>President</u>
SIGNATURE <u><i>Craig Phillips</i></u>	DATE <u>8/1/2014</u>

(This space for State use only)

**APPROVED**

**RECEIVED**

**MAR 12 2015**

**AUG 04 2014**

DIV. OIL GAS & MINING  
BY: Rachel Medina

**EXHIBIT "A"**

<b>Well Names</b>	<b>API</b>	<b>1/4 1/4</b>	<b>Sec. TWP RGE</b>	<b>Footage Location</b>	<b>Field</b>	<b>County</b>
Josle 1A-3B5	43-01330677	NESW	Sec. 3, T2S, R5W	1379' FSL & 2439' FWL	Altamont	Duchesne
Wilkins 1-24A5	43-01330320	NWNE	Sec. 24, T1S, R5W	927' FNL & 1580' FEL	Altamont	Duchesne
CJ Hackford 1-23	43-04730279	SENW	Sec. 23, T1S, R1E	1825' FNL & 1936' FWL	Bluebell	Uintah
Fausett 1-26A1E	43-04730821	NESW	Sec. 26, T1S, R1E	2260' FSL & 1574' FWL	Bluebell	Uintah

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 9

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

5. LEASE DESIGNATION AND SERIAL NUMBER:  
See attached Exhibit "A"

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:  
See attached Exhibit "A"

7. UNIT or CA AGREEMENT NAME:  
See attached Exhibit "A"

1. TYPE OF WELL: OIL WELL ☒ GAS WELL ☐ OTHER \_\_\_\_\_

8. WELL NAME and NUMBER:  
See attached Exhibit "A"

2. NAME OF OPERATOR:  
Tiger Energy Operating LLC N3880

9. API NUMBER:  
Exhibit A

3. ADDRESS OF OPERATOR:  
22287 Mulholland Hwy #350 CITY Calabasas STATE CA ZIP 91302

PHONE NUMBER:  
(888) 328-9888

10. FIELD AND POOL OR WILDCAT:  
See attached Exhibit "A"

4. LOCATION OF WELL:  
FOOTAGES AT SURFACE: See attached Exhibit "A"

COUNTY

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input checked="" type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: _____
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Homeland Gas & Oil, LTD Inc. (N3840) relinquishes operatorship of the wells listed in the attached Exhibit "A" (attached and made part of this form to Tiger Energy Operating, LLC, whose address is: 22287 Mulholland Hwy #350, Calabasas, CA 91302 please move all wells on the attached Exhibit "A" to Tiger Energy Operating, LLC's State Bond.)

NAME (PLEASE PRINT): Kenn Sylla TITLE: MANAGING DIRECTOR  
SIGNATURE: [Signature] DATE: 1, AUG 14

(This space for State use only)

**APPROVED**

**RECEIVED**

MAR 12 2015

AUG 05 2014

(5/2000)

(See Instructions on Reverse Side)

DIV. OIL, GAS & MINING  
BY: Rachel Medina

Div. of Oil, Gas & Mining

**EXHIBIT "A"**

<b>Well Names</b>	<b>API</b>	<b>1/4 1/4</b>	<b>Sec. TWP RGE</b>	<b>Footage Location</b>	<b>Field</b>	<b>County</b>
Josie 1A-385	43-01330677	NESW	Sec. 3, T2S, R5W	1379' FSL & 2439' FWL	Altamont	Duchesne
Wilkins 1-24A5	43-01330320	NWNE	Sec. 24, T1S, R5W	927' FNL & 1580' FEL	Altamont	Duchesne
CJ Hackford 1-23	43-04730279	SENW	Sec. 23, T1S, R1E	1825' FNL & 1936' FWL	Bluebell	Uintah
Fausett 1-26A1E	43-04730821	NESW	Sec. 26, T1S, R1E	2260' FSL & 1574' FWL	Bluebell	Uintah



GARY R. HERBERT  
Governor

SPENCER J. COX  
Lieutenant Governor

# State of Utah

## DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER  
Executive Director

### Division of Oil, Gas and Mining

JOHN R. BAZA  
Division Director

July 9, 2015

Certified Mail 7014 2870 0001 4232 4559

## DIVISION ORDER

Mr. Kevin Sylla  
Tiger Energy Operating, LLC  
22287 Mullholland Hwy #350  
Calabasas, CA 91302

Subject: Order to bond and plug the A Rust 2, Rust 3-22A4, C J Hackford 1-23, V Miles 1, Dye-Hall 2-21A1, Wilkins 1-24A5, Josie 1A-3B5, and Fausett 1-26A1E wells

Dear Mr. Sylla:

24 IS 5W

The following wells are in violation of Oil, and Gas Conservation General Rule R649-3-36 (Shut-in and Temporarily Abandoned Wells). The wells (Subject Wells) are:

<u>Well Name</u>	<u>API</u>	<u>Completed</u>	<u>Years Shut-In</u>
A RUST 2	43-013-30290	9/3/1974	14 yrs. 11 mo.
RUST 3-22A4	43-013-31266	5/17/1991	11 yrs. 1 mo.
C J HACKFORD 1-23	43-047-30279	8/26/1977	11 yrs. 4 mo.
V MILES 1	43-013-30275	4/10/1974	10 yrs. 10 mo.
DYE-HALL 2-21A1	43-013-31163	3/5/1987	7 yrs. 11 mo.
→ WILKINS 1-24A5	43-013-30320	3/11/1975	8 yrs. 8 mo.
JOSIE 1A-3B5	43-013-30677	12/10/1984	10 yrs.
FAUSETT 1-26A1E	43-047-30821	4/25/1981	8 yrs. 2 mo.

Tiger Energy Operating, LLC and Tiger Energy Partners International LLC (collectively, Tiger) are the listed operator and bonding agent for these wells.

Although the Division agreed to withhold enforcement in the Modification to Stipulated Order, (MSO), because of Tiger's dilatory and inadequate efforts, the Division is exercising its discretion and requiring immediate action. In the modification, Tiger agreed to begin workover activities sequentially and eventually plug or produce wells. MSO, paragraphs 11 & 12. Tiger has not complied with the stipulated order. Tiger has failed to continue working-over wells in sequence. Tiger had ten wells to plug in sequence, and to date has plugged only two. When the Division agreed to enter into the stipulated order, it believed Tiger would act quickly and diligently to get ten wells plugged or producing. Furthermore, for at least the last six months, the Division has repeatedly asked for increased communication and timely action, and Tiger has been reluctant to give the Division information and has been dilatory in its actions. The progress over the last year has been inadequate and the Division now exercises its enforcement authority and the discretion discussed in paragraph 13 of the MSO.



Therefore, the Division hereby orders Tiger Energy Operating, LLC and Tiger Energy Partners International LLC, jointly and severally, to immediately plug the Subject Wells; post a \$60,000 bond for each of the Subject Wells, as Rule 649-3-1(5) requires (see Attachment A for details); and within thirty days (August 10, 2015), provide an estimate of plugging and site restoration contest for the Division's review and approval as Rule 649-3-1(4.4) requires.

As Tiger plugs the Subject Wells, it must adhere to the requirements under rule R649-3-24 and all other rules and regulations.

Per the MSO, Tiger and the Division have entered into an escrow agreement which was funded with a \$240,000 deposit. Tiger has plugged two wells (i.e., Dustin 1 and Gusher 2-17B1) but has not submitted proof of site restoration of those two wells. The Division will approve a withdrawal of up to \$60,000 per well from the escrow account upon receiving proof of restoration. The Division will release the remaining \$120,000 plus interest upon either the receipt of four \$60,000 bonds for the A Rust 2, Rust 3-22A4, V Miles 1, and Dye Hall2-21A1 wells or the plugging and site restoration of two of those four wells.

Tiger may appeal this Division Order by filing with the Board of Oil, Gas and Mining a request for review according to procedures set forth in Rule R649-10-6. A request for review of a Division Order must be filed with the secretary to the Board, Julie Ann Carter (801) 538-5277, within thirty (30) days of issuance of the order.

In the event Tiger does not comply with this Division Order, the Division will file for a formal hearing before the Board of Oil, Gas and Mining, as described in the Utah Administrative Code R641, requesting a Board Order to forfeit Tiger's current bond, and recovery of plugging and restoration costs in excess of bond forfeiture amounts.

Questions regarding this order may be directed to Dustin Doucet, Petroleum Engineer at (801) 538-5281 or John Rogers, Oil and Gas Associate Director at (801) 538-5349.

Sincerely,



John Rogers  
Oil and Gas Associate Director

Enclosure

cc: John Rogers, Oil and Gas Associate Director  
Steve F. Alder, Assistant Attorney General  
Douglas J. Crapo, Assistant Attorney General  
Elizabeth A. Schulte, Parsons Behle & Latimer  
Michael R. McCarthy, Parsons Behle & Latimer  
Compliance File  
Well File

N:\O&G Reviewed Docs\ChronFile\Enforcement

## **Attachment A**

<b><u>Well Name</u></b>	<b><u>API</u></b>	<b><u>Well Depth</u></b>	<b><u>Bond</u></b>
A RUST 2	43-013-30290	16467	\$60,000
RUST 3-22A4	43-013-31266	15775	\$60,000
C J HACKFORD 1-23	43-047-30279	13007	\$60,000
V MILES 1	43-013-30275	17092	\$60,000
DYE-HALL 2-21A1	43-013-31163	14000	\$60,000
WILKINS 1-24A5	43-013-30320	17020	\$60,000
JOSIE 1A-3B5	43-013-30677	15000	\$60,000
FAUSETT 1-26A1E	43-047-30821	12350	<u>\$60,000</u>
		<b>TOTAL</b>	<b>\$480,000</b>

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: FEE
		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
		7. UNIT or CA AGREEMENT NAME:
1. TYPE OF WELL Oil Well	8. WELL NAME and NUMBER: WILKINS 1-24A5	
2. NAME OF OPERATOR: TIGER ENERGY OPERATING, LLC	9. API NUMBER: 43013303200000	
3. ADDRESS OF OPERATOR: 22287 Mulholland Hwy#350, Calabasas, CA, 91302	PHONE NUMBER: 888 328-9888 Ext	9. FIELD and POOL or WILDCAT: ALTAMONT
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0927 FNL 1580 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWNE Section: 24 Township: 01.0S Range: 05.0W Meridian: U	COUNTY: DUCHESNE	
		STATE: UTAH

11.

CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: <b>9/10/2015</b>	<input type="checkbox"/> ACIDIZE  <input type="checkbox"/> CHANGE TO PREVIOUS PLANS  <input type="checkbox"/> CHANGE WELL STATUS  <input type="checkbox"/> DEEPEN  <input type="checkbox"/> OPERATOR CHANGE  <input checked="" type="checkbox"/> PRODUCTION START OR RESUME  <input type="checkbox"/> REPERFORATE CURRENT FORMATION  <input type="checkbox"/> TUBING REPAIR  <input type="checkbox"/> WATER SHUTOFF  <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING  <input type="checkbox"/> CHANGE TUBING  <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS  <input type="checkbox"/> FRACTURE TREAT  <input type="checkbox"/> PLUG AND ABANDON  <input type="checkbox"/> RECLAMATION OF WELL SITE  <input type="checkbox"/> SIDETRACK TO REPAIR WELL  <input type="checkbox"/> VENT OR FLARE  <input type="checkbox"/> SI TA STATUS EXTENSION  <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR  <input type="checkbox"/> CHANGE WELL NAME  <input type="checkbox"/> CONVERT WELL TYPE  <input type="checkbox"/> NEW CONSTRUCTION  <input type="checkbox"/> PLUG BACK  <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION  <input type="checkbox"/> TEMPORARY ABANDON  <input type="checkbox"/> WATER DISPOSAL  <input type="checkbox"/> APD EXTENSION  OTHER: <input type="text"/>
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:			
<input type="checkbox"/> SPUD REPORT Date of Spud:			
<input type="checkbox"/> DRILLING REPORT Report Date:			

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

- Prepare and clean location - Inspect surface production equipment -  
 Check TBG & CSG PSI - Swab Well - Clean out - Downhole Pressure Test

Approved by the  
 September 16, 2015  
 Oil, Gas and Mining

Date: \_\_\_\_\_

By: Derek Duff

NAME (PLEASE PRINT) Richard Liu	PHONE NUMBER 213 706-6755	TITLE Assistant
SIGNATURE N/A		DATE 9/16/2015



<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> FEE
<b>1. TYPE OF WELL</b> Oil Well		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
<b>2. NAME OF OPERATOR:</b> TIGER ENERGY OPERATING, LLC		<b>7. UNIT or CA AGREEMENT NAME:</b>
<b>3. ADDRESS OF OPERATOR:</b> 22287 Mulholland Hwy#350 , Calabasas, CA, 91302		<b>8. WELL NAME and NUMBER:</b> WILKINS 1-24A5
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 0927 FNL 1580 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NWNE Section: 24 Township: 01.0S Range: 05.0W Meridian: U		<b>9. API NUMBER:</b> 43013303200000
<b>PHONE NUMBER:</b> 888 328-9888 Ext		<b>9. FIELD and POOL or WILDCAT:</b> ALTAMONT
<b>COUNTY:</b> DUCHESNE		<b>STATE:</b> UTAH

11.

CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION
<input checked="" type="checkbox"/> <b>NOTICE OF INTENT</b> Approximate date work will start: <b>10/12/2015</b>	<div style="display: flex; flex-wrap: wrap;"> <div style="width: 50%;"> <input checked="" type="checkbox"/> ACIDIZE  <input type="checkbox"/> CHANGE TO PREVIOUS PLANS  <input type="checkbox"/> CHANGE WELL STATUS  <input type="checkbox"/> DEEPEN  <input type="checkbox"/> OPERATOR CHANGE  <input type="checkbox"/> PRODUCTION START OR RESUME  <input checked="" type="checkbox"/> REPERFORATE CURRENT FORMATION  <input type="checkbox"/> TUBING REPAIR  <input type="checkbox"/> WATER SHUTOFF  <input type="checkbox"/> WILDCAT WELL DETERMINATION           </div> <div style="width: 50%;"> <input type="checkbox"/> ALTER CASING  <input type="checkbox"/> CHANGE TUBING  <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS  <input type="checkbox"/> FRACTURE TREAT  <input type="checkbox"/> PLUG AND ABANDON  <input type="checkbox"/> RECLAMATION OF WELL SITE  <input type="checkbox"/> SIDETRACK TO REPAIR WELL  <input type="checkbox"/> VENT OR FLARE  <input type="checkbox"/> SI TA STATUS EXTENSION  <input type="checkbox"/> OTHER           </div> <div style="width: 50%;"> <input type="checkbox"/> CASING REPAIR  <input type="checkbox"/> CHANGE WELL NAME  <input type="checkbox"/> CONVERT WELL TYPE  <input type="checkbox"/> NEW CONSTRUCTION  <input type="checkbox"/> PLUG BACK  <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION  <input type="checkbox"/> TEMPORARY ABANDON  <input type="checkbox"/> WATER DISPOSAL  <input type="checkbox"/> APD EXTENSION           </div> </div>
<input type="checkbox"/> <b>SUBSEQUENT REPORT</b> Date of Work Completion:	
<input type="checkbox"/> <b>SPUD REPORT</b> Date of Spud:	
<input type="checkbox"/> <b>DRILLING REPORT</b> Report Date:	
<input type="checkbox"/> <b>OTHER:</b> <span style="border: 1px solid black; display: inline-block; width: 150px; height: 20px; vertical-align: middle;"></span>	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

- Perforate formation at 12955-12965 - 1000 gallons of HCL 12.5%  
 spot perforations - Swab operation

**Approved by the**  
**October 13, 2015**  
**Oil, Gas and Mining**

Date: \_\_\_\_\_

By: 

<b>NAME (PLEASE PRINT)</b> Richard Liu	<b>PHONE NUMBER</b> 213 706-6755	<b>TITLE</b> Assistant
<b>SIGNATURE</b> N/A	<b>DATE</b> 10/9/2015	